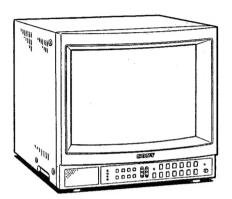
PVW-1341/13420/1343N

SERVICE MANUAL



US Model Canadian Model

PVM-1341

Chassis No. SCC-C27A-A

PVM-1342Q

Chassis No. SCC-C25A-A

PVM-1343MD

Chassis No. SCC-C28A-A

SPECIFICATIONS

Video signal

Frequency response

Line input: More than 7 MHz (-3 dB) Y/C input: More than 8 MHz (-3 dB)
Component (Y/R-Y/B-Y): More than 8 MHz (-3 dB)

R.G.B. (analog): More than 9 MHz (-3 dB) carrier attenuation 3.58 MHz: Less than -30 dB (comb filter) 4.43 MHz: Less than -36 dB (trap filter)

3.58 MHz: 2 MHz equiband 4.43 MHz: 2 MHz equiband

Chrominance/luminance

Time error Composite: Less than ±100 nS S.Video: Less than ±50 nS Component: Less than ±50 nS

Aperture correction

-4.5 to +6.5 dB (at 4.5 MHz) Synchronization AFC time constant: 1 msec Line pull range Horizontal: ±500 Hz

Vertical: 8 Hz

Picture performance

7% overscan of CRT effective screen area Normal scan Under scan 3% underscan of CRT effective screen area Less than 4%

V. lineality

Less than 5% Central area: 0.6 mm Peripheral area: 0.8 mm

Convergence

Raster size stability H: 1.0%, V: 1.5%

High voltage regulation 3%

O 6 W (Max)

PVM-1343MD/PVM-1342Q:

SMPTE-C (American-standard-phosphor)

DVAL1341- P-22 Chromacity coordinates (SMPTE-C only)

	X	Y
Red	0.630	0.340
Green	0.310	0.595
Blue	0.155	0.070

(tolerance ±0.01)

Color temperature

6,500°K/9,300°K (+8MPCD), selectable

AC regulation range 110 - 130 V AC, 50/60 Hz

Approx. 99 W

Inputs

VIDEO IN: BNC connector AUIO IN: phono jack VTR: 8-pin connector Y/C-INPUT

VIDEO: 4-pin DIN connector AUDIO: phono jack

EXT SYNC: BNC connector

composite sync 1-4 Vp-p, negative, 75 ohms terminated automatically with no cable connected to the output

0.7 Vp.p., ±6 dB, non composite 75 ohms terminated automatically with no cable connected to the output connector

DIGITAL RGB: 9-pin connector

CTRL S: Minijack

Outputs

VIDEO OUT: BNC connector Loop-through AUDIO OUT: Phono jack

Loop-through EXT SYNC: BNC connector

Loop-through ANALOG RGB: BNC connector

Loop-through CTRL S: Minijack Loop-through

General

Dimensions

Approx. 346 × 340 × 412 mm (w/h/d) (13⁵/₆ × 13¹/₂ × 16¹/₄ inches) Approx. 16.5 kg (36 lb 6 oz)

Weight

- Continued on next page -





Pin assignment

DIGITAL RGB connector (9-pin)



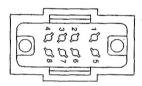
Pin No.	Signal	Signal level
1	GND (ground)	Ground
2	GND for the signal	Ground
3	Red input	Positive polarity (TTL level)
4	Green Input	t .
5	Blue input	1
6	Intensity	High state (open), Low state (ground), Positive polarity
7	NC (no connection)	_
8	H-SYNC (If V-SYNC is not input to the 9th pin, composite sync should be input to this pin.)	Positive or negative polarity (TTL level)
9	V-SYNC ·	Same polarity as H-SYNC (TTL level)

Note

If the intensity function of Pin No. 6 is not used, set the Internal switch on the Qd board to the B position, and connect the Pin No. 6 to the GND. With this setting, when the positive intensity signal synchronized to the characters on the screen is fed, the luminance of the characters will be increased.

If the specific intensity function, such as that of an IBM microcomputer, is used, set the internal switch on the Qd board to the A position, and feed the intensity control signal to Pin No.

VTR connector (8-pin)



Pin No. Signal		Description				
1	Audio Input	-5 dBs, high input impedance (more than 47 kilohms)				
2	Video Input	Composite 1 Vp-p, sync negative, 75 ohms				
3	GND	GND				
4	NC	++				
5	GND	GND				
6	GND	GND				
7	GND	GND				
8	GND	GND				

Y/C (Y/C separate) INPUT connector (4-pin)



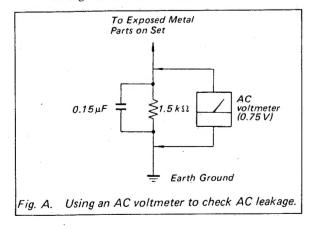
Pin No.	Signal	Description
1	Y-Input	1 Vp-p, sync negative, 75 ohms
2	CHROMA sub-carrier-Input	300 mVp-p, burst Delay time between Y and C: within 0±100 nsec., 75 ohms
3	GND for Y-input	Ground
4	GND for CHROMA-input	Ground
*	Slot for Internal switch	Press the switch inside this slot. The signal from Y/C-INPUT connector has priority over the one from VTR (8-pin) connector.

Design and specifications subject to change without notice.

SAFETY CHECK-OUT (US Model Only)

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

- Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
- Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
- 3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
- 4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
- Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
- Check the line cord for cracks and abrasion.
 Recommend the replacement of any such line cord to the customer.
- 7. Check the condition of the monopole antenna (if any).
 - Make sure the end is not broken off, and has the plastic cap on it. Point out the danger of impalement on a broken antenna to the customer, and recommend the antenna's replacement.
- 8. Check the B+ and HV to see they are at the values specified. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
- Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.



LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

- A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
- 2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
- 3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

HOW TO FIND A GOOD EARTH GROUND

A cold-water pipe is guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60-100 watts trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential. (See Fig. B)

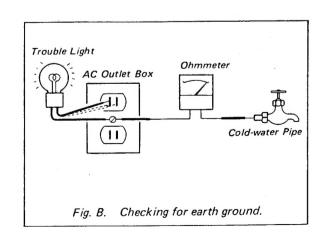


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WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.

THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY RELATED COMPONENT WARNING!

COMPONENTS IDENTIFIED BY SHADING AND MARK

NON THE SCHEMATIC DIAGRAMS, EXPLODED
VIEWS AND IN THE PARTS LIST ARE CRITICAL TO
SAFE OPERATION. REPLACE THESE COMPONENTS
WITH SONY PARTS WHOSE PART NUMBERS APPEAR
AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS
PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS
THAT ARE CRITICAL TO SAFE OPERATION ARE
IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE
REPLACED OR IMPROPER OPERATION IS SUSPECTED.

PVM-1343MD ONLY

Notes on Leakage Current Measurement

This measurement should be done only by B.E.D. (Biomedical Engineering Department) technician in a hospital.

Leakage current of this model should be measured in accordance with UL 544, item 27. Important points in leakage current measurement are given below.

For further information, refer to UL 544 of UL standards.

- This model is for patient care equipment which corresponds to UL 544.
- For measurement, use the SA 1116 input circuit described in paragraph 27.5 of UL 544.
- The measurement procedure is described in paragraphs 27.5–27.13 of UL 544.
- When leakage current is measured, the waveform of the current must be sinusoidal and must not contain high frequency components (above 1 kHz).
 In order to check this, connect an oscilloscope to both

In order to check this, connect an oscilloscope to both ends of the input circuit connected to the equipment, and observe the waveform.

A) If high frequency components (above 1 kHz) of a clear level are found, refer to paragraph 27.5 of UL 544.
 B) If high frequency components (above 1 kHz) of an

B) If high frequency components (above 1 kHz) of an unclear level are found, pull out the F-5 connector on the F printed wiring board.

ATTENTION!!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÁSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE. LE CHÁSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ À L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÈS PAR UNE TRAME ET PAR UNE MARQUE À SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÉCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY. LES RÉGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT SONT IDENTIFIES DANS LE PRÉSENT MANUEL. SUIVRE CES PROCÉDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNEMENT EST SUSPECTÉ.

SECTION 1 GENERAL

1-1. FEATURES

This chart shows the various features which your model has (indicated as "Yes").

Features	PVM-1343MD	PVM-1342Q	PVM-1341
Automatic white balance circuit	Yes	Yes	Yes
SMPTE-C phosphor	Yes	Yes	N _O
Black-tinted Trinitron tube	S _N	N _O	Yes
Super Fine Pitch Trinitron picture tube	Yes	Yes	No
Analog RGB input/output	Yes	Yes	Yes
Y/C input (4-pin DtN)	Yes	Yes	Yes
VTR input (8-pin)	Yes	Yes	Yes
Control S input/output	Yes	Yes	Yes
Automatic termination of BNC-type input connectors	Yes	Yes	Yes
Color systems available	PAL, SECAM, NT	PAL, SECAM, NTSC3.58 NTSC4.43	NTSC3.58 only
Colorpure filter	Yes	Yes	Yes
Blue only mode	Yes	Yes	Yes
Underscan mode	Yes	Yes	Yes
Horizontal/vertical delay mode	Yes	Yes	Yes
External sync input	Yes	Yes	Yes
Color temperature selector	Yes	Yes	Yes
Light-touch picture adjustment buttons	Yes	Yes	Yes
EIA standard 19-inch rack mounting	Yes	Yes	Yes
Digital RGB input (9-pin)	Yes	Yes	Yes

Automatic white balance circuit

beam distortion, secular distortion of the cathoderay tube, etc., and always reproduces the same white display on the The automatic white balance circuit compensates for the screen. This allows an extended use of the monitor.

Super Fine Pitch Trinitron picutre tube

The Super Fine Pitch Trinitron picture tube (0.25 mm aperture grill) gives high resolution picture. Horizontal resolution is more than 600 VI lines at the center of the picture. When used as a character display, up to 2,000 characters (80 characters/lines can be displayed with great clarify. (PVM-1344Q/PVM-1343MD/PVM-1342Q only)

Analog RGB connector

Analog RGB signal of a video equipment can be input through this connector.

Y/C input connector

The video signal split into the chrominance signal (C) and the Iuminance signal (Y) can be input through this connector, eliminating the interference between the two signals which tends to occur in a composite video signal and assuring the video quality.

VTR input connector

When connected to a VCR having the 8-pin TV connector, video and audio signals can be fed through this connector with a single cable.

Control S connector

When this connector is connected to the "control S" output of other equipment, the remote controls of the aperture, brightness, chroma, phase, contrast and volume settings are possible.

Automatic termination of BNC-type input connector

inside, when no cable is connected to the output connector. When the cable is connected to the output connector, the signal input to the corresponding IN connector is output The BNC-type input connector is terminated at 75 ohms 75-ohms termination is automatically released, and the rom the output connector.

Four color systems available

NTSC4.23* signals. The appropriate color system is selected A signal of NTSC443 is obtained by playing back NTSC-(PVM-1343MD/PVM-1342Q only)
The monitor can display PAL, SECAM, NTSC3:88 and

recorded video cassettes with a video tape recorder/player

especially designed for use with this system.

Colorpure Filter

activates to increase the resolution about 35%, resulting in When NTSC video signals are received, a colorpure filter fine picture detail without color spill or color noise.

Blue only mode

In the blue only mode, an apparent monochrome display is

This facilitates color saturation and phase adjustments and observation of VCR noise. obtained with all three cathodes driven with a blue signal.

The signal normally scanned outside of the screen can be Underscan mode

monitored in the underscan mode.

The horizontal and vertical sync signals can be checked simultaneously in the HIV delay mode. Horizontal/vertical delay mode

button is depressed, the monitor can be operated on the When the EXT SYNC (or ANALOG/DIGITAL (EXT SYNC)) sync signal supplied from an external sync generator.

Color temperature selector

Color temperature of either 9,300°K or 6,500°K is selectable with the COLOR TEMP selector. For precise adjustment, use the BIAS and GAIN adjustment controls (except PVM-1340).

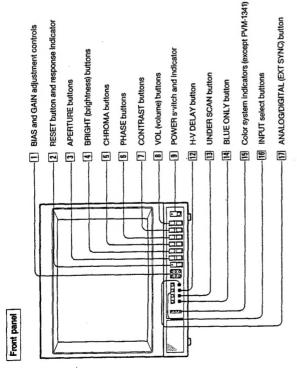
Light-touch picture adjustment buttons

ightly. The adjusted settings will be stored in memory even The aperture, brightness, chroma, phase, contrast and volume buttons can be adjusted by touching the buttons when the monitor is turned off.

EIA standard 19-inch rack mounting

By using an optional MB-502A mounting bracket, the monitor can be mounted in an EIA standard 19-inch rack. An optional SLR-102 side rail is also available. For details on mounting, see the appropriate instruction manual.

1.2. LOCATION AND FUNCTION OF PARTS AND CONTROLS



1 BIAS and GAIN adjustment controls

Used for white balance adjustment. Gadian and Blass Controls are provided for the R (red), G (green) and B (blue) screens.

BIAS: Adjust the white balance and brightness of the screen at the lowlight with these controls.

GMN: Adjust the white balance and contrast of the screen at the polying with white hearn as of the screen at the highlight with these controls.

2 RESET button and response indicator

Press to return the PHASE, CHROMA, BRIGHT and APERTURE control settings to the factory set levels. The response indicator flashes when the above buttons or the RESET button is pressed.

3 APERTURE buttons

Press + for more sharpness or - for less.

4 BRIGHT (brightness) buttons

Press + for more brightness or - for less.

5 CHROMA buttons

Press + for more color intensity or - for less.

6 PHASE buttons

This button is effective only for the NTSC3sB and NTSC4.4s color system.
Press GRN (green) to make the skin tones greenish or PR (kurple) to make them purplish.

Note

The APERTURE, CHROMA, PHASE control settings have no effect on the pictures of analog RGB or digital RGB signals.

7 CONTRAST buttons

Press + to make the contrast, color intensity and brightness stronger or - to make them weaker.

8 VOL (volume) buttons

Press + for more volume or - for less.

9 POWER switch and Indicator

JPOWEH SWITCH and indicator
Depress to turn the monitor or.
The indicator will light up in green.
Press the switch again to turn the monitor off.

12 H-V DELAY button

Depress to observe the horizontal and vertical sync signals at the same time.

The horizontal sync signal is displayed in the left quarter of the screen, the vertical signal is displayed near the center of the screen.

13 UNDER SCAN button

Depress for underscanning. The display size is reduced by approximately 3% so that four corners of the raster are

14 BLUE ONLY button

Depress to turn off the red and green signals. A blue signal is displayed as an apparent monochrome picture on the screen. This facilitates "chroma" and "phase*" control adjustments and observation of VCR noise.

*"Phase" control adjustment is effective only for the NTSC signals.

15 Color system indicators

The indicator of the color system being received lights up in red.

is INPUT select buttons

Press to select the program to be monitored. A for a signal fed through the LINE A connectors. B: to a signal fed through the LINE B connectors. Y/CV/TR: for a signal fed through the Y/C-INPUT

connectors or VTR connector.

When both the YCINPUT and VTR connectors are connected to video equipment, the Input signal fed through the YC-INPUT connector has priority over the one fed through the VTR connector.

RGB: for a signal fed through the ANALOG RGB connectors or DiGITAL RGB connector.

This button functions as ANALOG/DIGITAL selector and

EXT SYNC selector.

As ANALOG/DIGITAL selector
Depress to monitor a signal fed through the ANALOG
RGB connectors.
Release to monitor a signal fed through the DIGITAL RGB
Connector.

For EXT SYNC selector

Depress to operate the monitor on an external sync signal fed through the EXT SYNC connector on the rear panel (EXT).

(EXT).

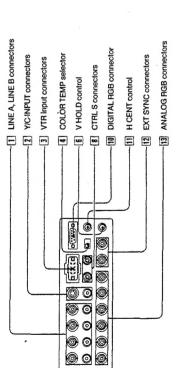
The sync signal from the cisplayed composite video signal (INT).

PICTURE ADJUSTMENT Buttons

The picture adjustment buttons of each monitor operate in the following input mode (indicator as "Yes")

Model	Input Mode	APERTURE	BRIGHT	CHROMA	JSVHJ	PHASE CONTRAST	VOL
	· LINE A, LINE B				***		
PVM-1343MD/	· %C	Yes	Yes	Yes	res ATO	Yes	Yes
PVM-1342Q/	Analog RGB				(NISC OUIS)		
PVM-1341	Digital RGB	4	\$	1	4	20%	1
	Analog RGB	2	92	2	ON.	S D	2

Rear panel



Two groups (A and B) of line input connectors for the composite video and audio signals and their loop-through To monitor the input signal fed through these connectors, press the A or B input select button on the front panel.

VIDEO IN (BNC type): Connect to the video output of a

video equipment, such as a VCR or a color video camera. For a loop-through connection, connect to the video output of another monitor.

VIDEO OUT (BNC type): Loop-through output of the

VIDEO IN connector. Connect to the video input for a When the cable is connected to this connector, the 75-ohms termination of the input is automatically released, and the signal input to the VIDEO IN VCR or another monitor.

the audio output of another monitor.

AUDIO OUT (phono jack): Loop-through output of the AUDIO IN jack. Connect to the audio input of a VCR or connector is output from this connector.

AUDIO IN (phono jack): Connect to the audio output of a amplifier. For a loop-through connection, connect to VCR or to a microphone via a suitable microphone

VIDEO: Connect to the Y/C separate output of a video 2 Y/C-INPUT connectors (4pin DIN) camera or a VCR.

another monitor.

AUDIO: Connect to the audio output of a video camera or a VCR.

To monitor the input signal fed through these connectors,

press the Y/C/VTR button on the front panel.

3 VTR input connectors (8-pin)

When both VTR and Y/C-INPUT connectors are connected Line input for the video and audio signals. When connected to the 8-pin TV connector of a VCR, the video To monitor the input signal fed through this connector, press the Y/C/VTR button on the front panel, with the Y/C-INPUT connectors connected to no outputs. to video equipment, the input signal fed through the Y/C-INPUT connectors has priority over the one fed and audio playback signal from the VCR can be connected with a single cable through the VTR connectors.

Select the color temperature position, 9300°K or 6500°K. 4 COLOR TEMP (temperature) selector

BV HOLD (vertical hold) control

Turn to stabilize the picture if it rolls vertically.

8 CTRL S (control S) connectors (minijack)

For remote control of the APERTURE, BRIGHT, CHROMA, PHASE, CONTRAST and VOL. control buttons. IN: Connect to the "control S" output of other equipment. OUT: Connect to the CTRL S IN connector of another monitor by using a connecting cord (miniplug*

miniplud).

[jij] DIGITAL RGB connector (9-pin) Connect with a microcomputer having a digital (TTL level) To monitor the input signal fed through this connector, press the RGB button and keep the ANALOG/DIGITAL (EXT SYNC) button released. RGB video output.

For connection, be sure to use an optional SMF-520 connecting cable.

When a digital R/G/B signal is monitored, turn to center [i] H CENT (horizontal centering) control the picture if it is decentered.

To monitor the sync signal fed through this connector, depress the ANALOG/DIGITAL (EXT SYNC) button. OUT: Loop-through output of the SYNC IN connector. [12] EXT SYNC (external sync) connectors (BNC type) IN: Connect to the output of a sync generator.

75-ohms termination of the input is released, and the When the cable is connected to this connector, the signal input to the IN connector is output from this Connect to the SYNC input of a video camera.

[13] ANALOG RGB connectors (BNC type) R/G/B IN: Connect to the analog R/G/B outputs of a video camera,

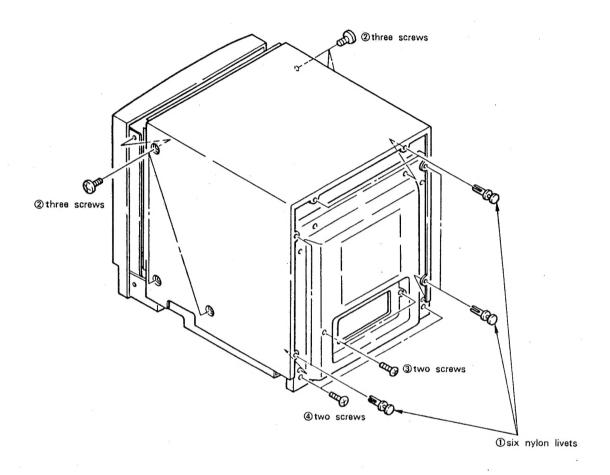
To monitor a signal fed through these connectors, press the RGB button and depress the ANALOG/DIGITAL (EXT RIGIB OUT: Loop-through outputs of the RIGIB IN

When the cable is connected to these connectors, the 75-ohms termination of the input is released, and the signal input to the RVG/B OUT connector is output from connectors. Connect to the analog R/G/B inputs of a these connectors. video camera.

MEMO				
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	0			

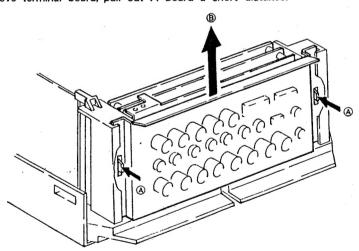
SECTION 2 DISASSEMBLY

2-1. REAR COVER AND TOP COVER REMOVAL



2-2. TERMINAL BOARD REMOVAL

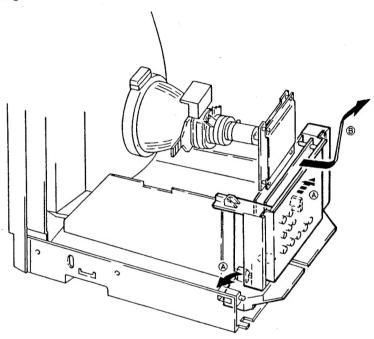
Note: When you remove terminal board, pull out A board a short distance.



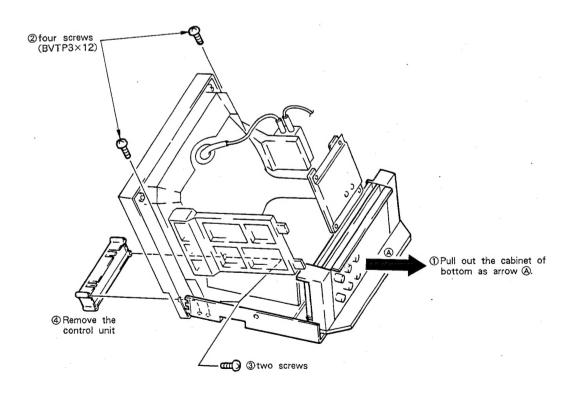
① Remove the terminal board as arrow ® while push the two claws as arrow @.

2-3. BRACKET OF TERMINAL BOARD REMOVAL

① Remove the bracket of terminal board as arrow ® while extend two claws as arrow @.



2-4. CONTROL UNIT REMOVAL



2-5. PICTURE TUBE REMOVAL

NOTE: Caution for ANODE CAP installation.

When you replace PICTURE TUBE or FBT, remove RTV on ANODE CAP so that PICTURE TUBE and FBT can be separated. Please adhere picture tube and anode cap in accordance with the following procedure.

ADHERING PROCEDURE OF ANODE CAP.

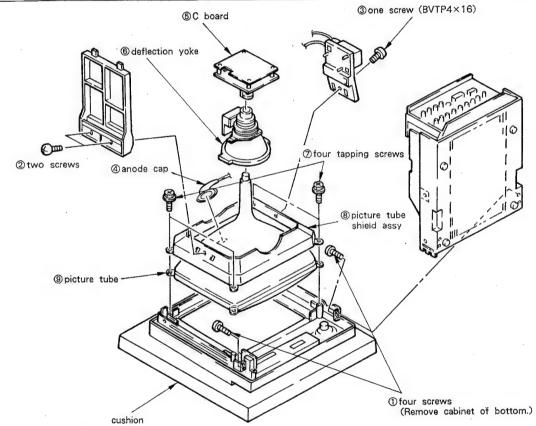
- 1. Clean PICTURE TUBE ANODE CAP with ethnaol to remove original RTV.
- 2. Dry clean face with air.

Use KE-490RTV (RTV silicone adhesive, SHIN-ETSU CHEMICAL).

Part. No. Description

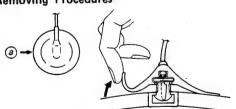
7-322-065-19 Silicone (RTV) KE-490W

- 4. Install ANODE CAP.
- Adeguately apply RTV to the entire picture tube anode area, piace the anode cap onto the picture tube and push it down securety so that no air pockets remain beneath the cap.
- 6. Dry more than 12 hours at room temperature.

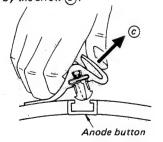


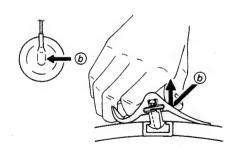
ANODE CAP REMOVAL

Removing Procedures



1) Turn up one side of the rubber cap in the direction indicated by the arrow (a).





- 2) Using a thumb, pull up the rubber cap firmly in the direction indicated by the arrow (b).
- (3) When one side of the rubber cap is separated from the anode button, the anode cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow (c).

SECTION 3 SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless ontherwise noted.

The control and switch below should be set as follows unless otherwise noted:

CONTRAST control 80% BRIGHTNESS control 50%

Perform the adjustments in order as follows:

- 3-1. Beam Landing
- 3-2. Convergence
- 3-3. Focus
- 3-4. White Balance

Note: Test Equipment Required.

- 1. Color Bar/Pattern Generator
- 2. Degausser
- 3. Color Annalyzer (Minolta)
- 4. Luminance Level Meter
- 5. Oscilloscope

Precaution

- Set the side of the unit with the PICTURE TUBE so that it faces east or west in oder to reduce the influence of external magnetic force.
- Turn the power switch for the unit ON and erase the magnetic force using a degausser.

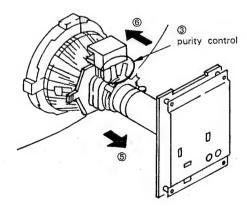
3-1. BEAM LANDING

 Receive an entirely white signal with the pattern generator.

CONTRAST MAX.

BRIGHTNESS set easy to observe

- Adjust the focus and the horizontal convengence roughly.
- 3. Loosen the deflection yoke mounting screw, and set the purity control to the center as shown in Fig. 3-1.
- 4. Switch over the pattern generator to green.
- Move the deflection yoke backward, and adjust with the purity control so that green is in the center and blue and red are at the sides, evenly. (Fig. 3-2)
- Move the deflection yoke forward, and adjust so that the entire screen becomes green. Repeat 5 to 7 as to red and blue.
- 7. When landing at the corners is not right, correct by using the magnet. (Fig. 3-3)
- 8. When the position of the deflection yoke is determined, tighten it with a deflection yoke mounting screw.



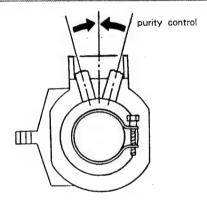


Fig. 3-1

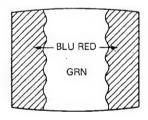


Fig. 3-2

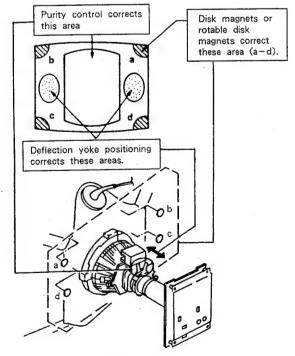
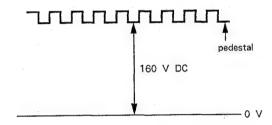


Fig. 3-3

3-4. WHITE BALANCE

(Screen (G2) Voltage)

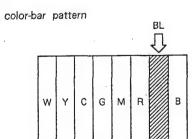
- 1. Receive a dot signal with the pattern generator.
- 2. Switch over COLOR TEMP to 6500° K.
- Using oscilloscope, adjust with RV1710 (SUB BRT) on V board so that the green cathode voltage against ground becomes 160 V DC.
- Similarly, adjust with RV1704 (B BKG) and RV1705 (R BKG) on V board so that the blue and red cathode voltages become 160 V DC.



 Observing the screen, adjust with RV709 (SCREEN) on C board so that the back-ground of the dot signal is bright dimly.

(White Balance)

- Receive a color-bar pattern signal with the pattern generator, and to make black and white screen by chroma switch off.
- 2. BRIGHTNESS 50%
 - CONTRAST Minimum
 - CHROMA 50%
 - DRIVE volume
 - (V BOARD) mechanical center
 - BKG volume
 - (V BOARD) mechanical center
- Adjust RV1710 (SUB BRIGHT) so that the blue stripe portion on the color-bar pattern signal is bright dimly.



- 4. Receive an entirely white signal from the pattern generator.
- 5. CONTRAST 70%
- Using the luminance level meter, adjust the luminance level of the pattern generator becomes
 Nit. (The condition the screen is bright dimly.)

- 7. Adjust with the color analyzer the white balance.
- 8. Reset the luminance level of the pattern generator, and adjust the white balance. (High light condition.)

WEMO			
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SECTION 4

SAFETY RELATED ADJUSTMENTS

B+ MAX CONFIRMATION (■R690)

The following adjustments should always be performed when replacing the following components (marked with a on the schematic diagram).

on F board: IC601, IC602, IC651, D654, D655, C658, C659, R634, R652, R653, R654, R655, R656, R657, R665, R671, R690, RV601

- 1. Supply 130 ±5°V AC to with variable auto-transformer.
- 2. Receive a dot signal.
- 3. CONTRAST Minimum
 - BRIGHTNESS Minimum
- 4. Connect a digital multimeter to TP91.
- Confirm the voltage of TP91 is less than 118.2
 V DC when rotate RV601 on F board fully clockwise.
- If step 5 is not satisfied, readjustment should be performed by altering the resistance value of R690 (►).
- 7. Receive a dot signal.
- 8. Disconnect A-22 connector (ABL JIG) on A board and connect an ammeter.
- 9. Adjust BRIGHTNESS and CONTRAST so that the current to 70 $\pm 30~\mu\,\text{A}.$
- 10. Adjust RV601 on F board so that voltage of TP91 is 115.5 \pm 0.3 V DC.
- 11. Supply 90 \pm 5.0 V AC to with variable autotransformer.
- 12. Receive entire white signal.
- 13. CONTRAST ······ Maximum
 BRIGHTNESS ····· Maximum
- Confirm the voltage of TP91 is more than 113.0
 V DC.

CONFIRMATION WHEN REPLACING H.V.R (High Voltage Resistor)

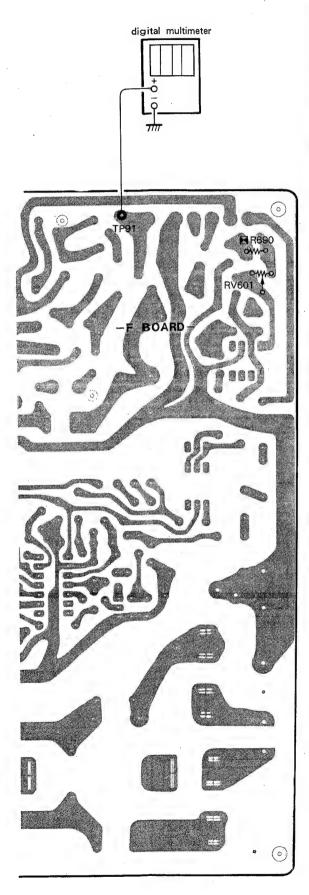
The following adjustment should be confirm the output voltage when replacing HVR.

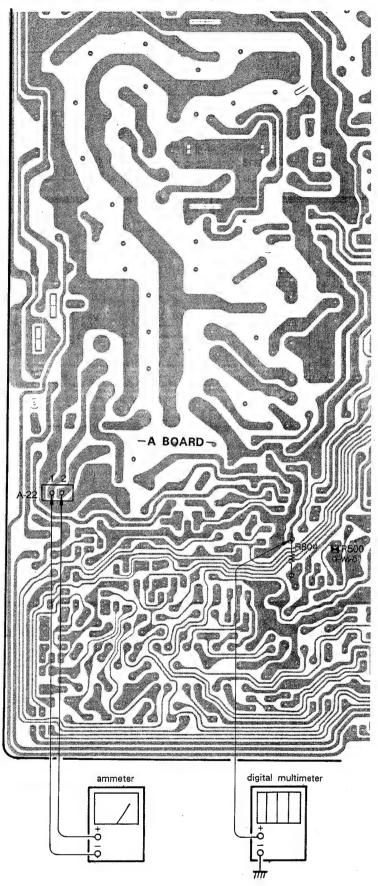
- 1. Receive an entire white signal.
- 2. CONTRAST Maximum
 - BRIGHTNESS Maximum
- 3. Connect a digital multimeter to the A-20 connector side lead of R804.
- 4. Confirm the voltage is 14.1 \pm 1.0 V DC.

R500, CONFIRMATION METHOD (HOLD-DOWN CONFIRMATION) AND READJUSTMENTS

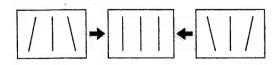
The following adjustments should always be performed when replacing the following components (marked with \square on the schematic diagram).

- ☑ on A board: IC501, Q503, Q504, Q505, Q506, D509, D510, C505, C520, C524, C525, C526, C527, C528, C529, C530, C531, R500, R506, R516, R517, R518, R519, R520, R521, R522, R523, R524, R525, R526, R528, R804, NL501, HVR
- 1. Receive an entire white signal.
- 2. CONTRAST Maximum
 - BRIGHTNESS Maximum
- 3. Connect a digital multimeter to the A-20 connector side lead of R804.
- 4. Confirm the voltage is $14.1 \pm 1.0 \text{ V DC}$.
- 5. Receive a dot signal.
- Disconnect A-22 connector (ABL JIG) on A board and connect an ammeter.
- 7. Adjust BRIGHTNESS and CONTRAST so that the current to 70 \pm 30 μ A.
- 8. Apply an external DC voltage gradually to the A-20 connector side lead of R804, and when the voltage becomes 16.4 \pm 0.1 V DC, confirm the HOLD-DOWN circuit operates immediately and raster disappears.
- With the same procedure of item 8, when the voltage becomes 15.8 ±0.1 V DC, confirm the HOLD-DOWN circuit doesn't operate.
- 10. Receive an entire white signal.
- 11. Adjust with BRIGHTNESS and CONTRAST volumes so that the current to 600 $\pm40~\mu\,\text{A}.$
- 12. Apply DC voltage to the A-20 connector side lead of R804, and when the voltage becomes 15.8 \pm 0.1 V DC, confirm the HOLD-DOWN circuit operates immediately and raster disappears.
- 13. With the same procedure of item 8, when the voltage becomes 15.2 \pm 0.1 V DC, confirm the HOLD-DOWN circuit doesn't operate.
- 14. When step 4 to 13 is not satisfied, readjustment should be performed by altering the resistance value of R500 (►).

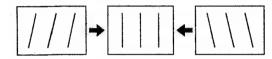




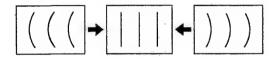
• PIN PHASE (RV504)



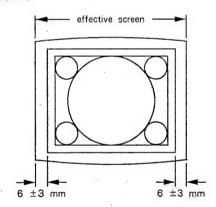
V. ANG (RV550)



• BOW (RV509)

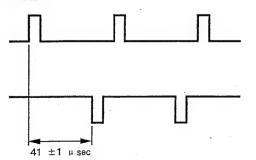


- 6. Adjust RV503 (H. SIZE) so that the horizontal size becomes 15.75 \pm 0.2 frames.
- 7. Set U/S (Under Scan) switch to Under mode.
- 8. Adjust RV510 (U.H. SIZE) the Under H. SIZE as follows.

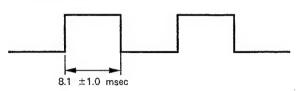


H-V DELAY ADJUSTMENT (VR1, VR2)

- 1. Receive a monoscope signal.
- 2. CONTRAST 70%
 - BRIGHTNESS ····· 50%
- 3. Set H-V DELAY switch to DELAY mode.
- 4. H. DELAY Adjustment (VR1)
- (1) Connect an oscilloscope to pin ② (SYNC SEP) and pin ⑨ (H. SYNC) of IC503.
- (2) Adjust VR1 of IC503 to become 41 $\pm 1~\mu\,\text{sec}$ as follows.

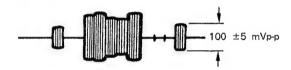


- 5. V. DELAY Adjustment (Vn2)
- (1) Connect an oscilloscope to pin @ of IC503.
- (2) Adjust VR2 of IC503 to become 8.1 \pm 1.0 msec as follows.



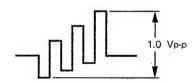
ACC ADJUSTMENT (RV002)

- 1. Receive a color-bar signal (EIA color-bar).
- Connect an oscilloscope to the IC302 side lead of C313.
- 3. Adjust RV002 so that the burst signal level becomes 100 ±5 mVp-p.



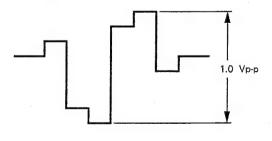
B-Y DEM LEVEL ADJUSTMENT (RV003)

- 1. Receive a color-bar signal (100% chroma color-bar).
- 2. Connect an oscilloscope to TP42 (B-Y).
- Adjust RV003 so that the B-Y waveform becomes 1.0 Vp-p.



R-Y DEM LEVEL ADJUSTMENT (RV004)

- 1. Receive a color-bar signal (100% chroma color-bar).
- 2. Connect an oscilloscope to TP41 (R-Y).
- Adjust RV004 so that the R-Y waveform becomes 1.0 Vp-p.

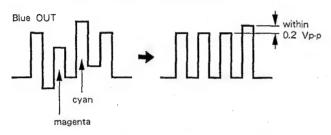


MATRIX ADJUSTMENT (RV006, RV007)

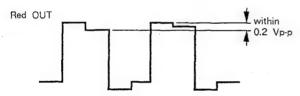
1. Receive a color-bar signal.

white peak: 75% black level: 0% chroma max.: 75% chroma min.: 0%

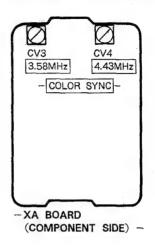
- 2. CONTRAST 70%
- Connect an oscilloscope to pin (\$\bar{\sigma}\$ (B OUT) of A-15.
- 4. Adjust RV006 (B-Y) so that the BLUE OUT waveform becomes flat as following figure.



- When there is difference between cyan portion and magenta portion, adjust with RV006 while tracking with PHASE volume for user control.
- 6. Connect an oscilloscope to pin 3 (R-Y) of A-15.
- 7. Adjust RV007 (R-Y) so that the RED OUT waveform becomes flat as following figure.

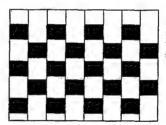


5-2. XA BOARD ADJUSTMENT



COLOR SYNCHRONIZATION (CW) ADJUSTMENT (CV3, CV4)

- 1. Short-circuit pins (9) and (10) of IC301 on A board.
- 2. Connect pin ③ of IC311 on A board to +12 V line via 4.7 k Ω resistor.
- 3. Short-circuit base and emitter of Q416 on A board.
- 4. 3.58 MHz Adjustment (CV3)
- (1) Receive a color-bar signal (EIA color-bar).
- (2) Adjust CV3 the color synchronization.

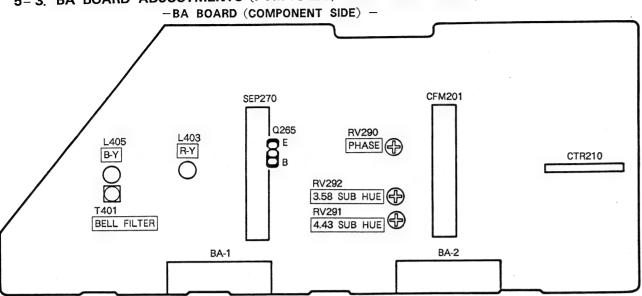


Adjust so that color stripes disappear and the hue change is stabilized extremery.

- 5. 4.43 MHz Adjustment (CV4)
- (1) Receive a color-bar signal (EBU color-bar).
- (2) Adjust CV4 the color synchronization.
- 6. Remove the short-circuit positions pins (9) and (10) of IC301 and base and emitter of Q416.

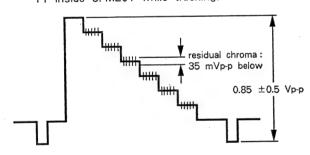
CAUTION: This adjustment (XA board adjustment) should be made earlier than all adjustments of color.

5-3. BA BOARD ADJUSTMENTS (PVM-1342Q, PVM-1343MD ONLY)



NTSC 3,58 MHz ADJUSTMENT (RV292)

- 1. Receive NTSC 3.58 color-bar signal.
- 2. Connect an oscilloscope to pin (§) (COMPOSITE IN) of BA-2 connector.
- 3. Confirm the Y-OUT is 0.87 \pm 0.5 Vp-p.
- 4. Confirm the residual chroma is 35 mVp-p below. When it is above 35 mVp-p, adjust with RV1 and T1 inside CFM201 while tracking.



- 5. Connect an oscilloscope to pin (6) (B-OUT) of A-15 connector.
- 6. Adjust RV292 (3.58 SUB HUE) so that the BLUE OUT waveform level becomes flat as following figure.



Note: CONTRAST normal condition HUE Normal condition

NTSC 4.43 MHz ADJUSTMENT (RV291)

1. Receive NTSC 4.43 color-bar signal.

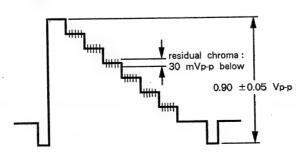
- 2. Confirm the voltage on pin @ of CTR210 is above 5.0 V DC, and on pin (5) of CTR210 is below 0.1 V DC.
- 3. Connect an oscilloscope to pin (5) of A-15 con-
- 4. Adjust RV291 (4.43 SUB HUE) so that the BLUE OUT waveform level becomes flat as following figure.



Note: CONTRAST Normal condition HUE Normal condition

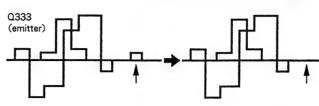
PAL ADJUSTMENTS (RV290)

- 1. Receive NTSC 4.43 color-bar signal.
- 2. Confirm the voltage on pin @ of CTR210 is above 5.0 V DC, and on pin 6 of CTR210 is below 1.0
- 3. Connect an oscilloscope to pin (1) of BA-2 co-
- 4. Confirm the Y-OUT is 0.90 \pm 0.05 Vp-p and the residual chroma is below 30 mVp-p.

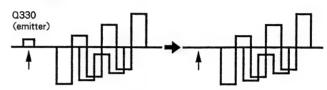


5. ANTI-PAL Adjustment (RV290)

- (1) Receive the special PAL color-bar.
- (2) Connect an oscilloscope to emitter of Q333 on A board, and adjust RV290 (PHASE) so that R-Y anti-PAL portion becomes flat as following figure.

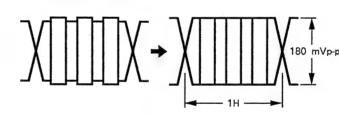


(3) Connect an oscilloscope to emitter of Q330 on A board, and adjust RV2 inside SEP270 so that B-Y anti-PAL portion becomes flat as following figure.

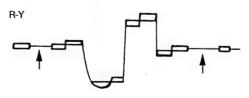


SECAM ADJUSTMENTS (T401, L403, L405)

- 1. Receive SECAM color-bar.
- 2. Bell Filter Adjustment (T401)
- (1) Connect an oscilloscope to emitter of Q265.
- (2) Adjust T401 (Bell Filter) so that the chroma waveform becomes smooth.

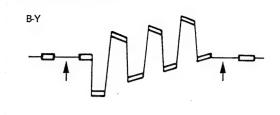


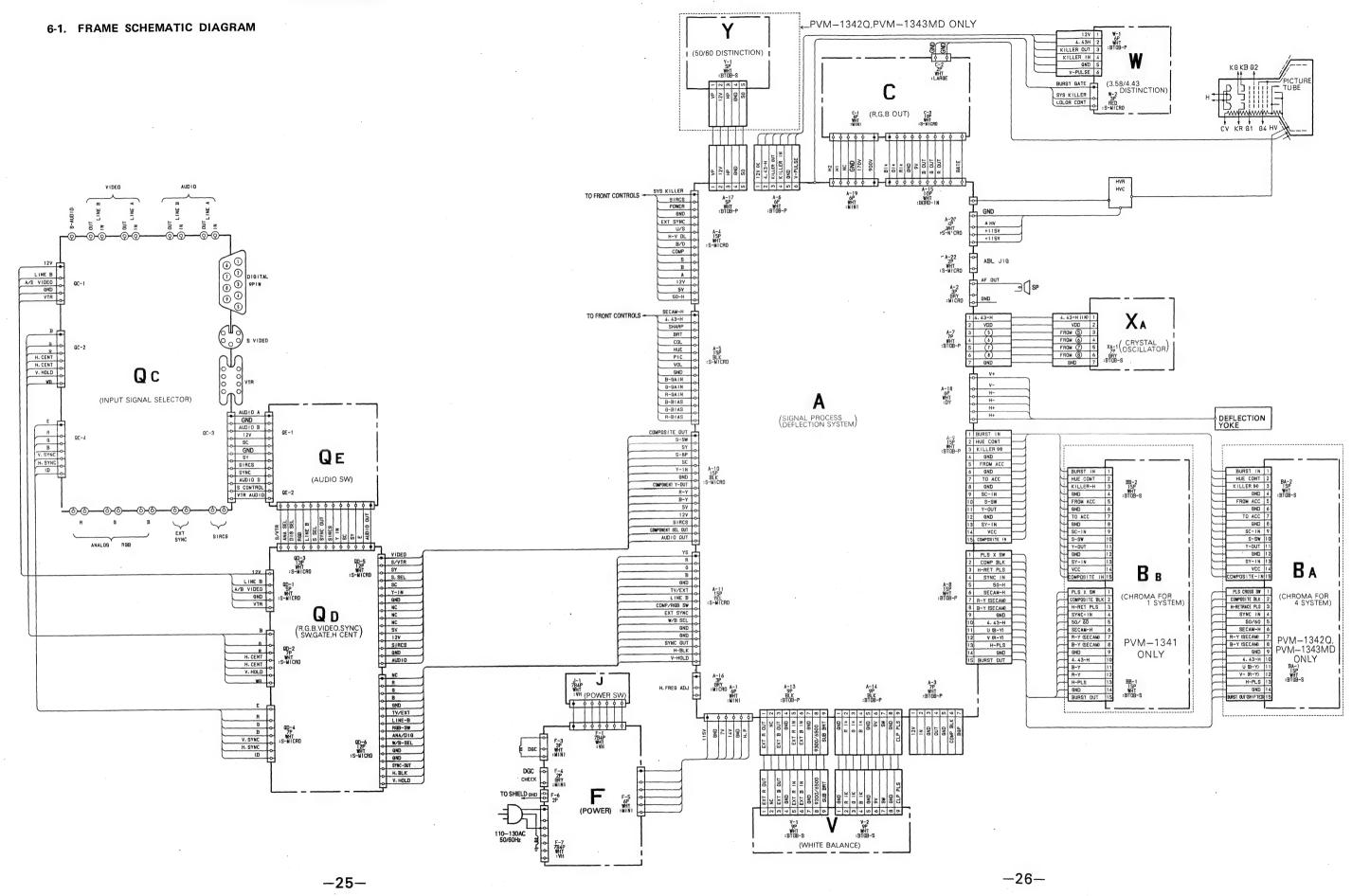
- 3. Color Balance Adjustment (L403)
- (1) Connect an oscilloscope to pin (R-Y) of BA-1 connector.
- (2) Adjust L403 (R-Y) so that the non-colored portion level becomes flat.



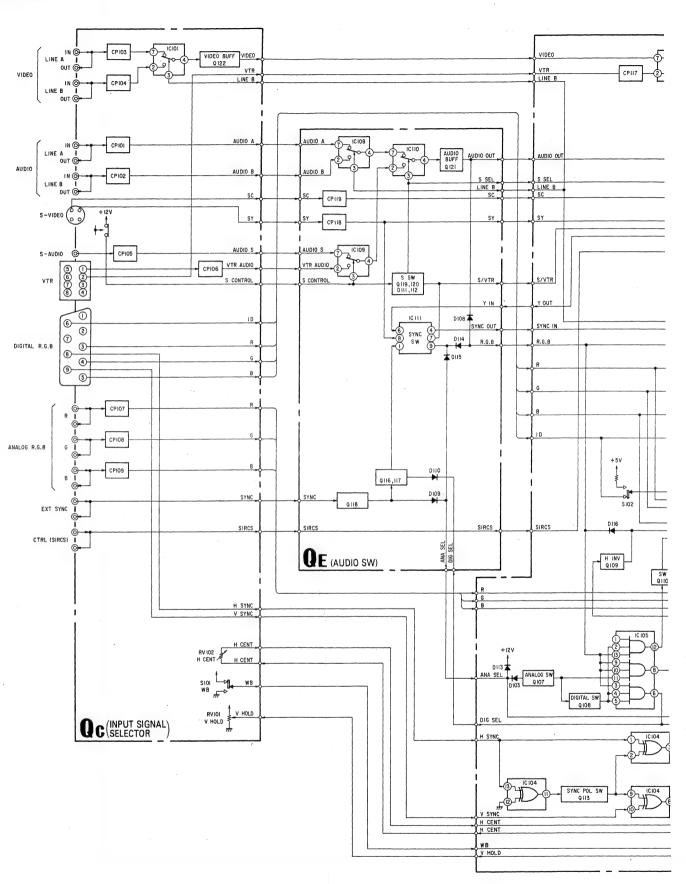
(3) Connect an oscilloscope to pin (8) (B-Y) of BA-1 connector.

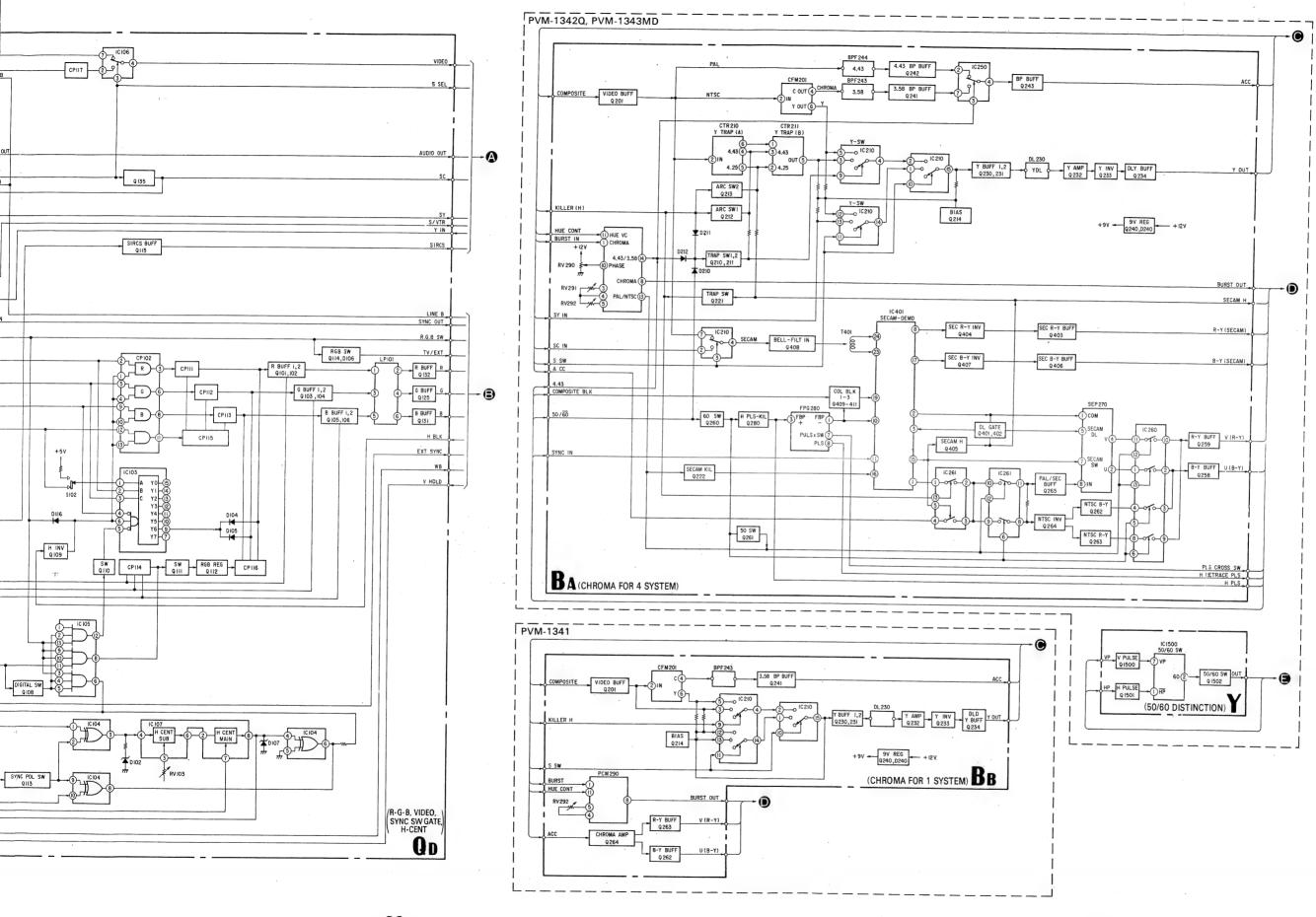
(4) Adjust L405 (B-Y) so that the non-colored portion level becomes flat.

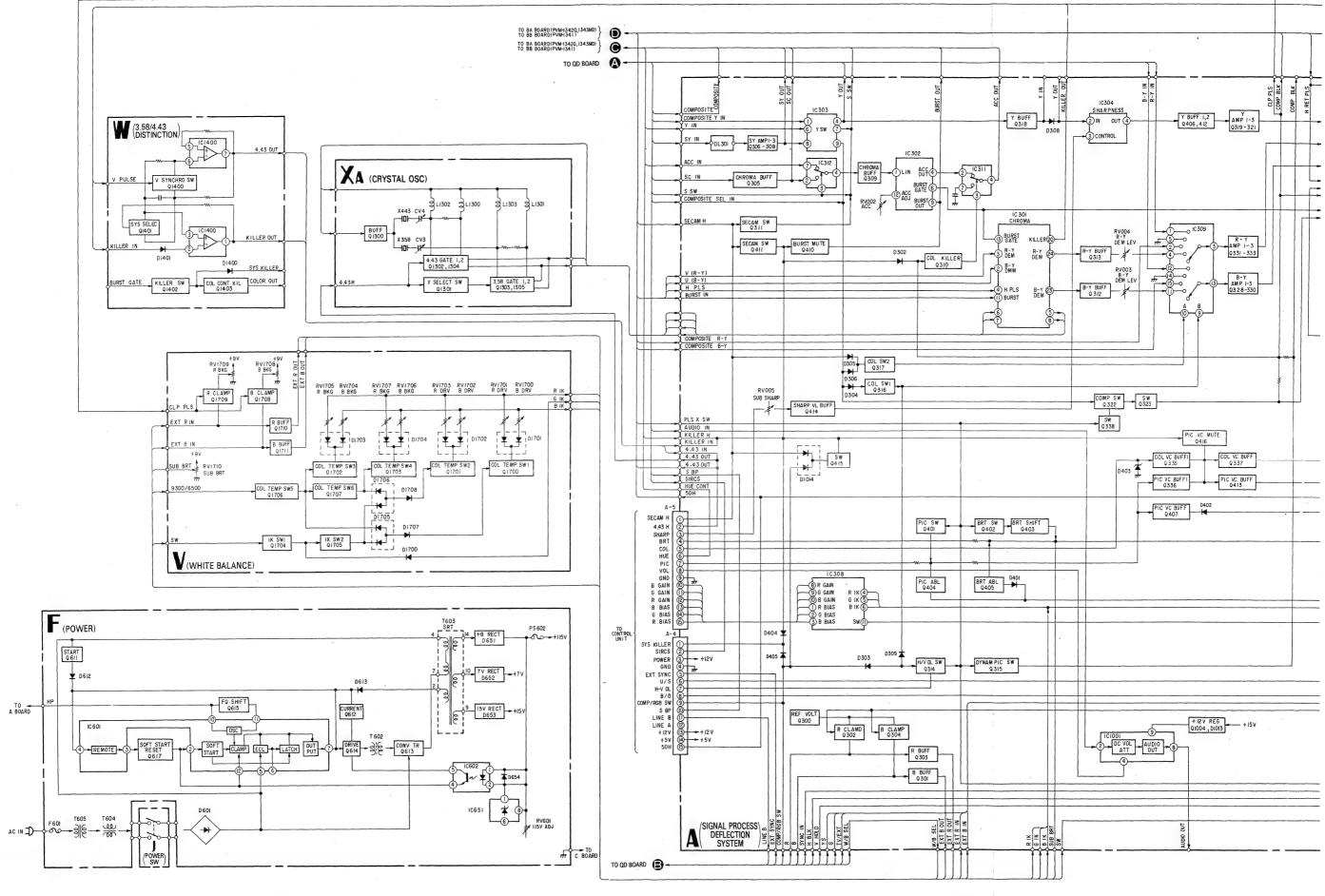


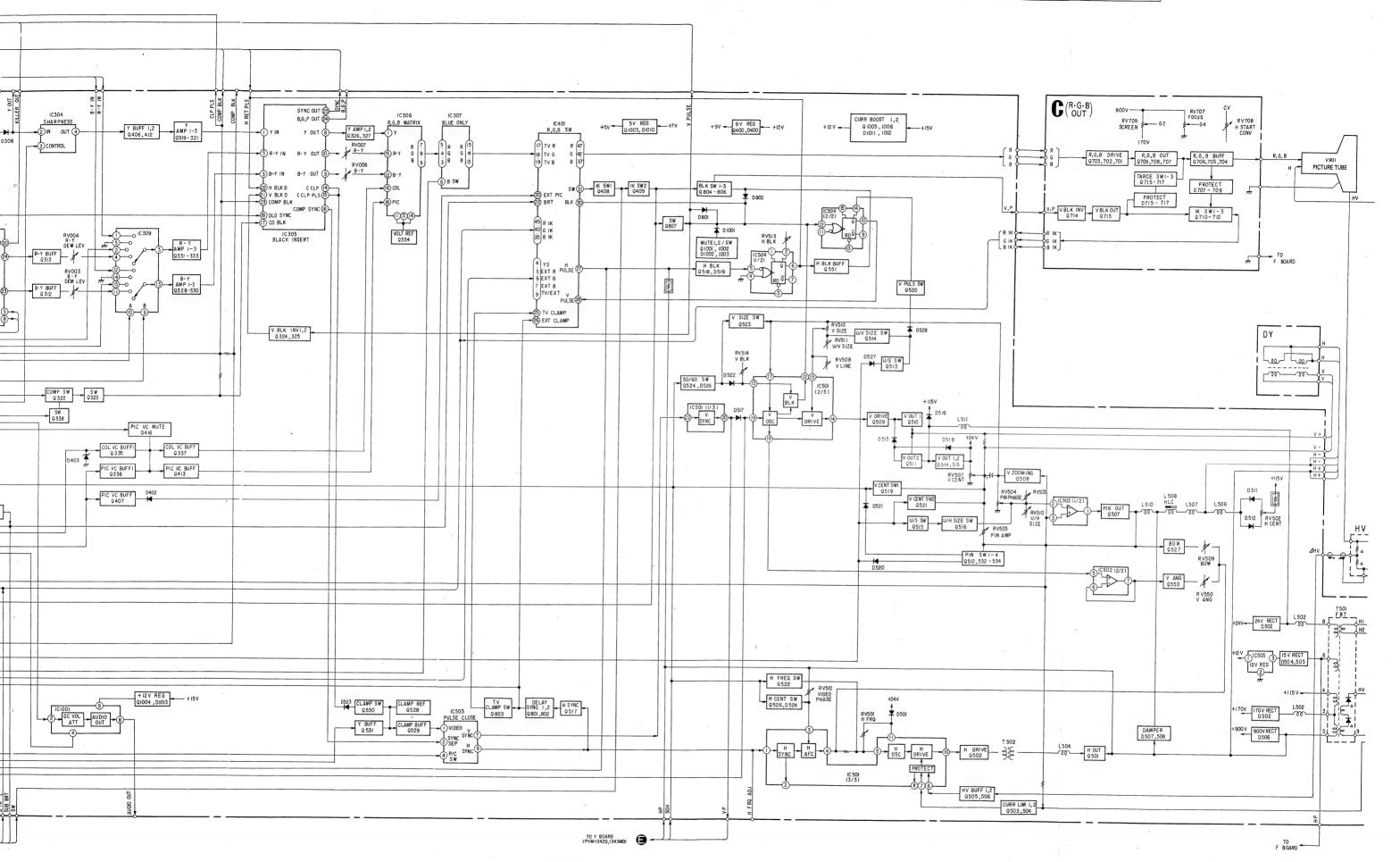


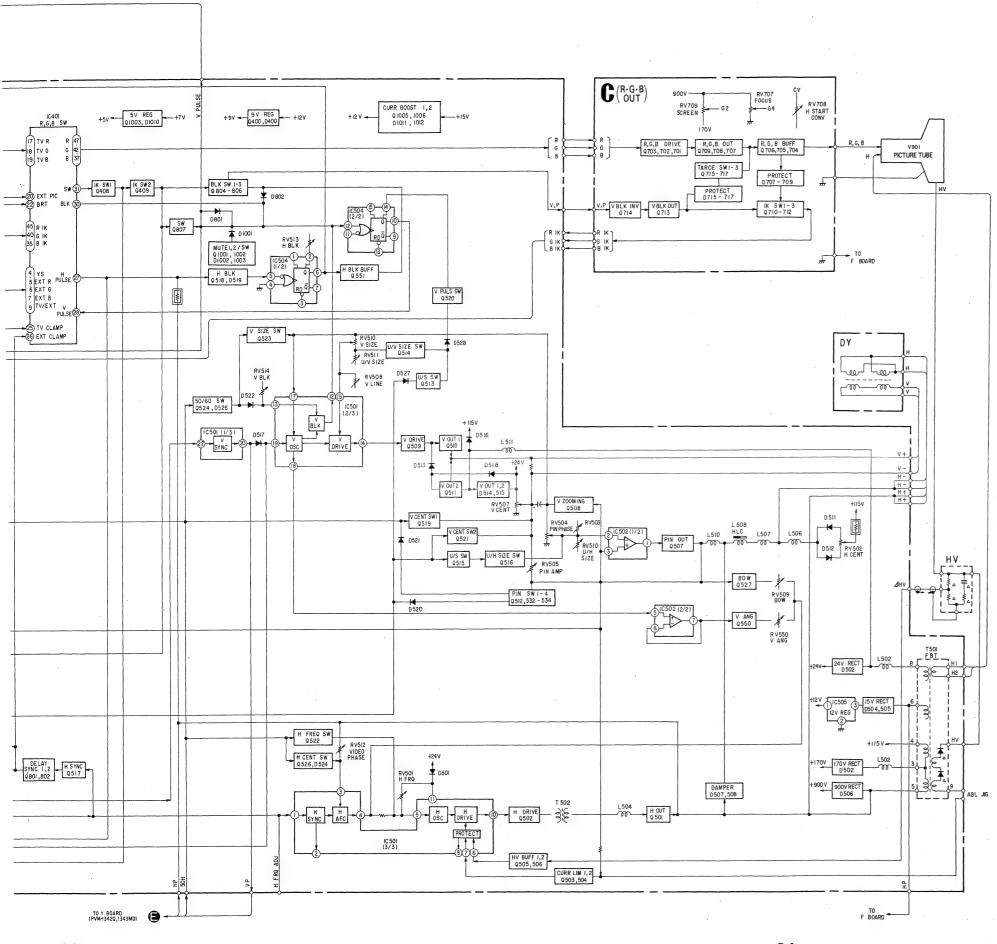
6-2. BLOCK DIAGRAMS

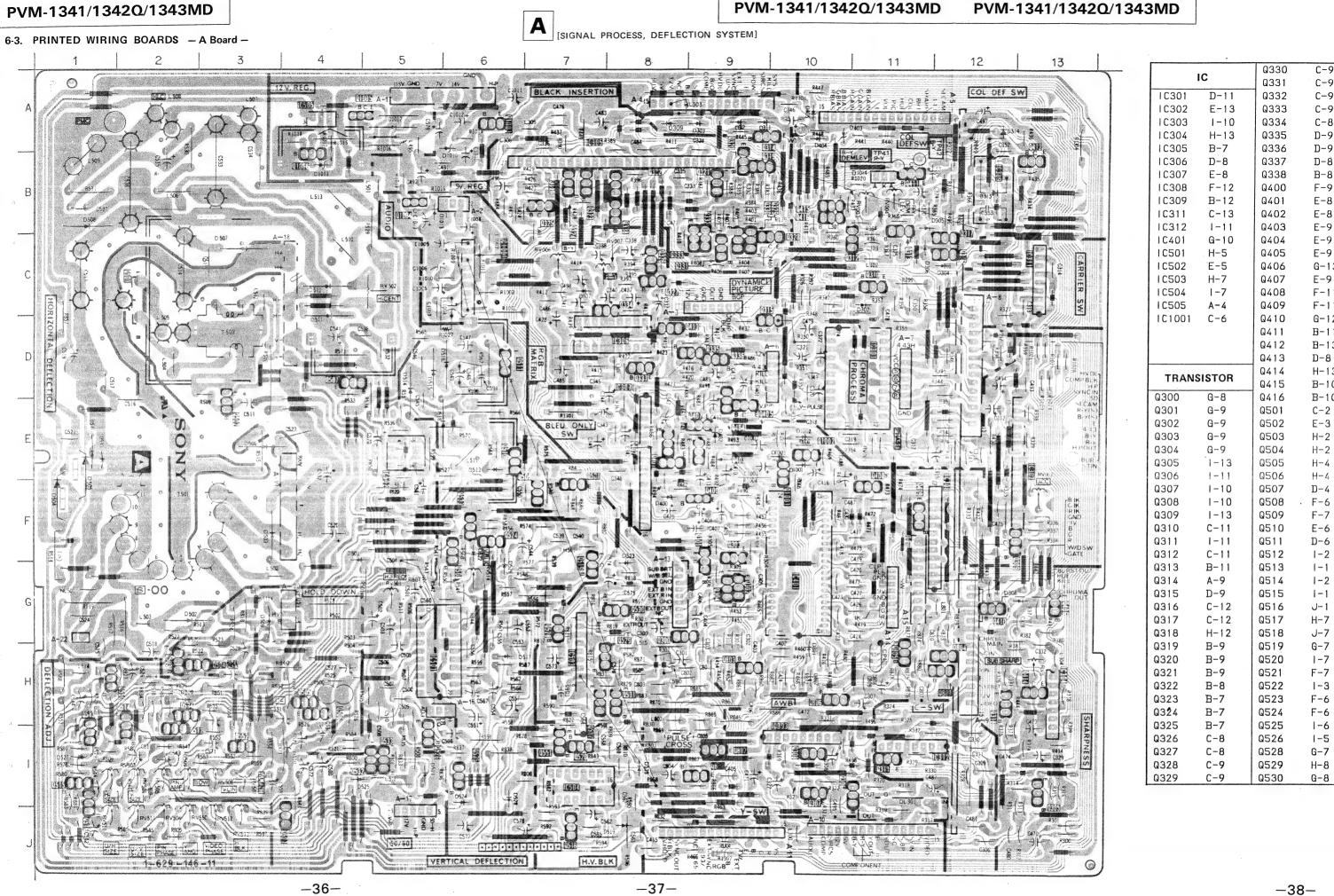












C-9

C-9

C-9

C-9

C-8

F-9

E-8

E-8

E-9

E-9

E-9

G-13

E-9

F-11

F-11

G-12

B-11

B-13

D-8

H-13

B-10

B-10

C-2

E-3

H-2

H-2

H-4

H-4

D-4

F-7

D-6

1-2

1-1

1-2

1-1

J-1

H-7

J-7

G-7

1-7

F-7

1-3

1-6

1-5

2

ما الهما الهما

1.9 Vp-p (H) 1.9 Vp-p (H) PAL 1.9 Vp-p (H) NTBC3.58

(13)

17

23

MIN MI

0. 25 Vp-p (H) PAL 0. 25 Vp-p (H) RTSC3. 58 0. 25 Vp-p (H) RTSC4. 43 0. 25 Vp-p (H) 8 (Y/C)

A BOARD WAVEFORM

Morning

(5)



10

12

PAL NTSC3. 58-NTSC4. 43 8 (Y/C)

(19)

2

 $M^{\mu}M^{\mu}$

MINIMUM.

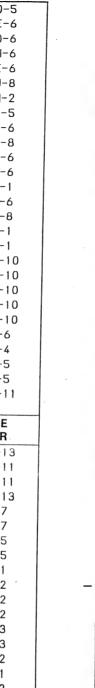
MAMA

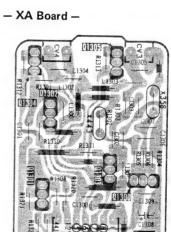


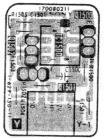


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C318	B PIDE		100 L	REAL STREET	
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	1495 R 125	SW	EN SAN	SHARPNESS	
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	iC	Q330	C-9	Q531	H-8	D514	D-5	
10004		Q331	C-9	Q532	1-5	D515	E-6	
10301	D-11	Q332	C-9	Q533	1-5	D516	D-6	
10302	E-13	0333	C-9	Q534	H-2	D517	H-6	
10303	1-10	Q334	C-8	Q550	H-1	D518	E-6	
1C304	H-13	Q335	D-9	Q551	1-7	D519	J-8	
1C305	B-7	Q336	D-9	Q801	1-9	D520	H-2	
1C306	D-8	Q337	D-8	Q802	1-9	D521	1-5	
1C307	E-8	Q338	B-8	0803	H-9	D522	F-6	
1C308	F-12	Q400	F-9	Q804	H-12	D523	G-8	
1C309	B-12	Q401	E-8	Q805	H-11	D524	J-6	
IC311	C-13	Q402	E-8	Q806	H-10	D526	G-6	-
IC312	1-11	0403	E-9	0807	H-12	D527	1-1	
IC401	G-10	Q404	E-9	Q1001	E-10	D528	1-6	-
10501	H-5	Q405	E-9	Q1002	E-10	D529	1-8	
1C502	E-5	Q406	G-13	Q1003	A-6	D530	E-1	
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1C504	1-7	Q408	F-11	Q1005	A-4	D801	H-10	
10505	A-4	Q409	F-11	Q1006	B-4	D802	H-10	
101001	C-6	Q410	G-12			D1001	E-10	
		Q411	B-11			D1002	E-10	
		Q412	B-13			D1003	E-10	
		0413	D-8		005	D1010	A-6	
TRAN	SISTOR	Q414	H-13	DI	ODE	D1011	B-4	
		Q415	B-10	D302	C-11	D1012	A-5	
0300	G-8	Q416	B-10	D303	A-9	D1013	B-5	
0001								
Q301	G-9	Q501	C-2	D304	C-12	D1014	B-11	
Q302	G-9	Q502	C-2 E-3	D304 D305	C-12 B-11	D1014	B-11	
Q302 Q303	G-9 G-9	Q502 Q503		1			B-11 ABLE	-
Q302 Q303 Q304	G-9 G-9 G-9	Q502 Q503 Q504	E-3	D305	B-11	VARI		-
Q302 Q303 Q304 Q305	G-9 G-9 G-9 1-13	Q502 Q503 Q504 Q505	E-3 H-2 H-2 H-4	D305 D306	B-11 C-11	VARI	ABLE	
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Q302 Q303 Q304 Q305 Q306 Q307	G-9 G-9 G-9 I-13 I-11 I-10	Q502 Q503 Q504 Q505 Q506 Q507	E-3 H-2 H-2 H-4 H-4 D-4	D305 D306 D307 D308°	B-11 C-11 C-7 G-13	VARI RESI RV002	ABLE STOR E-13	
Q302 Q303 Q304 Q305 Q306 Q307 Q308	G-9 G-9 G-9 I-13 I-11 I-10 I-10	Q502 Q503 Q504 Q505 Q506 Q507 Q508	E-3 H-2 H-2 H-4 H-4 D-4	D305 D306 D307 D308° D309	B-11 C-11 C-7 G-13 A-8	VARI RESI RV002 RV003	ABLE STOR E-13 B-11	
Q302 Q303 Q304 Q305 Q306 Q307 Q308 Q309	G-9 G-9 G-9 I-13 I-11 I-10 I-10	Q502 Q503 Q504 Q505 Q506 Q507 Q508 Q509	E-3 H-2 H-2 H-4 H-4 D-4 · F-6 F-7	D305 D306 D307 D308° D309 D311	B-11 C-11 C-7 G-13 A-8 A-9	VARI RESI RV002 RV003 RV004	ABLE STOR E-13 B-11 B-11	
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Q302 Q303 Q304 Q305 Q306 Q307 Q308 Q309 Q310 Q311	G-9 G-9 G-9 I-13 I-11 I-10 I-13 C-11 I-11	Q502 Q503 Q504 Q505 Q506 Q507 Q508 Q509 Q510 Q511	E-3 H-2 H-2 H-4 H-4 D-4 • F-6 F-7 E-6 D-6	D305 D306 D307 D308° D309 D311 D312 D313 D314 D400	B-11 C-11 C-7 G-13 A-8 A-9 A-9 B-12 A-12 F-8	VARI RESI RV002 RV003 RV004 RV005 RV006	ABLE STOR E-13 B-11 B-11 H-13 C-7	
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Q302 Q303 Q304 Q305 Q306 Q307 Q308 Q309 Q310 Q311 Q312 Q313 Q314 Q315	G-9 G-9 G-9 I-13 I-11 I-10 I-13 C-11 I-11 C-11 B-11 A-9 D-9	Q502 Q503 Q504 Q505 Q506 Q507 Q508 Q509 Q510 Q511 Q512 Q513 Q514 Q515	E-3 H-2 H-2 H-4 H-4 D-4 F-6 F-7 E-6 D-6 I-2 I-1	D305 D306 D307 D308° D309 D311 D312 D313 D314 D400 D401 D402 D403 D404	B-11 C-11 C-7 G-13 A-8 A-9 A-9 B-12 A-12 F-8 D-9 E-9 A-10	RV002 RV003 RV004 RV005 RV006 RV007 RV501 RV502 RV503 RV504 RV505	ABLE STOR E-13 B-11 B-11 H-13 C-7 C-7 G-5 C-5 I-1	
Q302 Q303 Q304 Q305 Q306 Q307 Q308 Q309 Q310 Q311 Q312 Q313 Q314 Q315 Q316	G-9 G-9 G-9 I-13 I-11 I-10 I-13 C-11 I-11 C-11 B-11 A-9 D-9 C-12	Q502 Q503 Q504 Q505 Q506 Q507 Q508 Q509 Q510 Q511 Q512 Q513 Q514 Q515 Q516	E-3 H-2 H-2 H-4 H-4 D-4 F-6 F-7 E-6 D-6 I-2 I-1 I-2 I-1	D305 D306 D307 D308 D309 D311 D312 D313 D314 D400 D401 D402 D403 D404 D405	B-11 C-11 C-7 G-13 A-8 A-9 A-9 B-12 A-12 F-8 D-9 E-9 A-10 A-10	VARI RESI RV002 RV003 RV004 RV005 RV006 RV007 RV501 RV502 RV503 RV504 RV505 RV506	ABLE STOR E-13 B-11 B-11 H-13 C-7 C-7 C-7 G-5 C-5 I-1 J-2	
Q302 Q303 Q304 Q305 Q306 Q307 Q308 Q309 Q310 Q311 Q312 Q313 Q314 Q315 Q316 Q317	G-9 G-9 G-9 I-13 I-11 I-10 I-13 C-11 I-11 C-11 B-11 A-9 D-9 C-12 C-12	Q502 Q503 Q504 Q505 Q506 Q507 Q508 Q509 Q510 Q511 Q512 Q513 Q514 Q515 Q516 Q517	E-3 H-2 H-2 H-4 H-4 D-4 F-6 F-7 E-6 D-6 I-2 I-1 I-2 I-1 H-7	D305 D306 D307 D308° D309 D311 D312 D313 D314 D400 D401 D402 D403 D404 D405 D501	B-11 C-11 C-7 G-13 A-8 A-9 A-9 B-12 A-12 F-8 D-9 E-9 A-10 A-10 G-4	VARI RESI RV002 RV003 RV004 RV005 RV006 RV007 RV501 RV502 RV503 RV504 RV505 RV506 RV507	ABLE STOR E-13 B-11 B-11 H-13 C-7 C-7 G-5 C-5 I-1 J-2 I-2 I-2	
Q302 Q303 Q304 Q305 Q306 Q307 Q308 Q309 Q310 Q311 Q312 Q313 Q314 Q315 Q316 Q317 Q318	G-9 G-9 G-9 I-13 I-11 I-10 I-13 C-11 I-11 C-11 B-11 A-9 D-9 C-12 C-12 H-12	Q502 Q503 Q504 Q505 Q506 Q507 Q508 Q509 Q510 Q511 Q512 Q513 Q514 Q515 Q516 Q517 Q518	E-3 H-2 H-4 H-4 D-4 F-6 F-7 E-6 D-6 I-2 I-1 I-2 I-1 J-1 H-7 J-7	D305 D306 D307 D308° D309 D311 D312 D313 D314 D400 D401 D402 D403 D404 D405 D501 D502	B-11 C-11 C-7 G-13 A-8 A-9 B-12 A-12 F-8 D-9 E-9 A-10 A-10 G-4 G-2	VARI RESI RV002 RV003 RV004 RV005 RV006 RV007 RV501 RV502 RV503 RV504 RV505 RV506 RV507 RV508	ABLE STOR E-13 B-11 B-11 H-13 C-7 C-7 G-5 C-5 I-1 J-2 I-2	
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Q302 Q303 Q304 Q305 Q306 Q307 Q308 Q309 Q310 Q311 Q312 Q313 Q314 Q315 Q316 Q317 Q318 Q319 Q320 Q321	G-9 G-9 G-9 I-13 I-11 I-10 I-10 I-13 C-11 I-11 C-11 B-11 A-9 D-9 C-12 C-12 H-12 B-9 B-9 B-9	Q502 Q503 Q504 Q505 Q506 Q507 Q508 Q509 Q510 Q511 Q512 Q513 Q514 Q515 Q516 Q517 Q518 Q519 Q520 Q521	E-3 H-2 H-4 H-4 D-4 F-6 F-7 E-6 D-6 I-2 I-1 I-2 I-1 J-1 H-7 J-7 G-7 I-7 F-7	D305 D306 D307 D308 D309 D311 D312 D313 D314 D400 D401 D402 D403 D404 D405 D501 D502 D503 D504 D505	B-11 C-11 C-7 G-13 A-8 A-9 B-12 A-12 F-8 D-9 E-9 A-10 A-10 G-4 G-2 F-3 F-1 E-1	VARI RESI RV002 RV003 RV004 RV005 RV006 RV007 RV501 RV502 RV503 RV504 RV505 RV506 RV507 RV508 RV509 RV510 RV511	ABLE STOR E-13 B-11 B-11 H-13 C-7 C-7 G-5 C-5 I-1 J-2 I-2 I-2 I-3 I-3 I-3	
Q302 Q303 Q304 Q305 Q306 Q307 Q308 Q309 Q310 Q311 Q312 Q313 Q314 Q315 Q316 Q317 Q318 Q319 Q320 Q321 Q322	G-9 G-9 G-9 I-13 I-11 I-10 I-10 I-13 C-11 I-11 C-11 B-11 A-9 D-9 C-12 C-12 H-12 B-9 B-9 B-9 B-9	Q502 Q503 Q504 Q505 Q506 Q507 Q508 Q509 Q510 Q511 Q512 Q513 Q514 Q515 Q516 Q517 Q518 Q519 Q520 Q521 Q522	E-3 H-2 H-4 H-4 D-4 F-6 F-7 E-6 D-6 I-2 I-1 I-2 I-1 J-7 G-7 I-7 F-7 I-3	D305 D306 D307 D308 D309 D311 D312 D313 D314 D400 D401 D402 D403 D404 D405 D501 D502 D503 D504 D505 D506	B-11 C-11 C-7 G-13 A-8 A-9 A-9 B-12 A-12 F-8 D-9 E-9 A-10 A-10 G-4 G-2 F-3 F-1 E-1 E-3	VARI RESI RV002 RV003 RV004 RV005 RV006 RV007 RV501 RV502 RV503 RV504 RV505 RV506 RV507 RV508 RV509 RV509 RV510	ABLE STOR E-13 B-11 B-11 H-13 C-7 C-7 G-5 C-5 I-1 J-2 I-2 I-3 I-3 I-2 J-1 J-2 J-1	
Q302 Q303 Q304 Q305 Q306 Q307 Q308 Q309 Q310 Q311 Q312 Q313 Q314 Q315 Q316 Q317 Q318 Q319 Q320 Q321 Q322 Q323	G-9 G-9 G-9 I-13 I-11 I-10 I-13 C-11 I-11 C-11 B-11 A-9 D-9 C-12 C-12 H-12 B-9 B-9 B-9 B-9 B-8 B-7	Q502 Q503 Q504 Q505 Q506 Q507 Q508 Q509 Q510 Q511 Q512 Q513 Q514 Q515 Q516 Q517 Q518 Q519 Q520 Q521 Q522 Q523	E-3 H-2 H-4 H-4 D-4 F-6 F-7 E-6 D-6 I-2 I-1 I-2 I-1 J-7 G-7 I-7 F-7 I-3 F-6	D305 D306 D307 D308 D309 D311 D312 D313 D314 D400 D401 D402 D403 D404 D405 D501 D502 D503 D504 D505 D506 D507	B-11 C-11 C-7 G-13 A-8 A-9 A-9 B-12 A-12 F-8 D-9 E-9 A-10 A-10 G-4 G-2 F-3 F-1 E-1 E-1	VARI RESI RV002 RV003 RV004 RV005 RV006 RV007 RV501 RV502 RV503 RV504 RV505 RV506 RV507 RV508 RV509 RV510 RV511	ABLE STOR E-13 B-11 B-11 H-13 C-7 C-7 G-5 C-5 I-1 J-2 I-2 I-3 I-3 I-2 J-1 J-2	
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Q302 Q303 Q304 Q305 Q306 Q307 Q308 Q309 Q310 Q311 Q312 Q313 Q314 Q315 Q316 Q317 Q318 Q319 Q320 Q321 Q322 Q323 Q324 Q325 Q326	G-9 G-9 G-9 I-13 I-11 I-10 I-13 C-11 I-11 C-11 B-11 A-9 D-9 C-12 C-12 H-12 B-9 B-9 B-9 B-9 B-7 B-7 C-8	Q502 Q503 Q504 Q505 Q506 Q507 Q508 Q509 Q510 Q511 Q512 Q513 Q514 Q515 Q516 Q517 Q518 Q519 Q520 Q521 Q522 Q523 Q524 Q525 Q526	E-3 H-2 H-4 H-4 D-4 F-6 F-7 E-6 D-6 I-2 I-1 I-2 I-1 J-7 G-7 I-7 F-7 I-3 F-6 I-6 I-6 I-5	D305 D306 D307 D308 D309 D311 D312 D313 D314 D400 D401 D402 D403 D404 D405 D501 D502 D503 D504 D505 D506 D507 D508 D509 D510	B-11 C-11 C-7 G-13 A-8 A-9 A-9 B-12 A-12 F-8 D-9 E-9 A-10 A-10 G-4 G-2 F-3 F-1 E-1 E-3 C-3 B-1	VARI RESI RV002 RV003 RV004 RV005 RV006 RV007 RV501 RV502 RV503 RV504 RV505 RV506 RV507 RV508 RV509 RV511 RV512 RV513 RV514	ABLE STOR E-13 B-11 B-11 H-13 C-7 C-7 G-5 C-5 I-1 J-2 I-2 I-2 I-3 I-3 I-2 J-1 J-2 J-3 J-3 G-6	
Q302 Q303 Q304 Q305 Q306 Q307 Q308 Q309 Q310 Q311 Q312 Q313 Q314 Q315 Q316 Q317 Q318 Q319 Q320 Q321 Q322 Q323 Q323 Q324 Q325	G-9 G-9 G-9 I-13 I-11 I-10 I-13 C-11 I-11 C-11 B-11 A-9 D-9 C-12 C-12 H-12 B-9 B-9 B-9 B-9 B-7 B-7 B-7	Q502 Q503 Q504 Q505 Q506 Q507 Q508 Q509 Q510 Q511 Q512 Q513 Q514 Q515 Q516 Q517 Q518 Q519 Q520 Q521 Q522 Q523 Q524 Q525	E-3 H-2 H-4 H-4 D-4 F-6 F-7 E-6 D-6 I-2 I-1 I-2 I-1 J-7 G-7 I-7 F-7 I-3 F-6 I-6 I-6	D305 D306 D307 D308 D309 D311 D312 D313 D314 D400 D401 D402 D403 D404 D405 D501 D502 D503 D504 D505 D506 D507 D508 D509	B-11 C-11 C-7 G-13 A-8 A-9 A-9 B-12 A-12 F-8 D-9 E-9 A-10 A-10 G-4 G-2 F-3 F-1 E-1 E-3 C-3 B-1 G-3	VARI RESI RV002 RV003 RV004 RV005 RV006 RV007 RV501 RV502 RV503 RV504 RV505 RV506 RV507 RV508 RV509 RV511 RV512 RV513 RV514	ABLE STOR E-13 B-11 B-11 H-13 C-7 C-7 G-5 C-5 I-1 J-2 I-2 I-2 I-3 I-3 I-2 J-1 J-2 J-3 J-3 G-6	

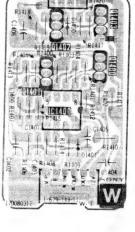


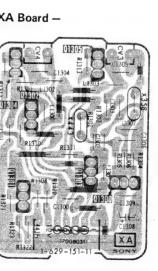




- Y Board - (PVM-1342Q, 1343MD)







Q530

G-8

D513

Q329

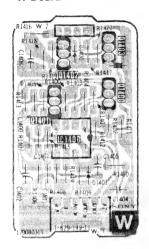
24

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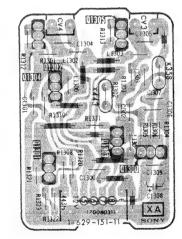
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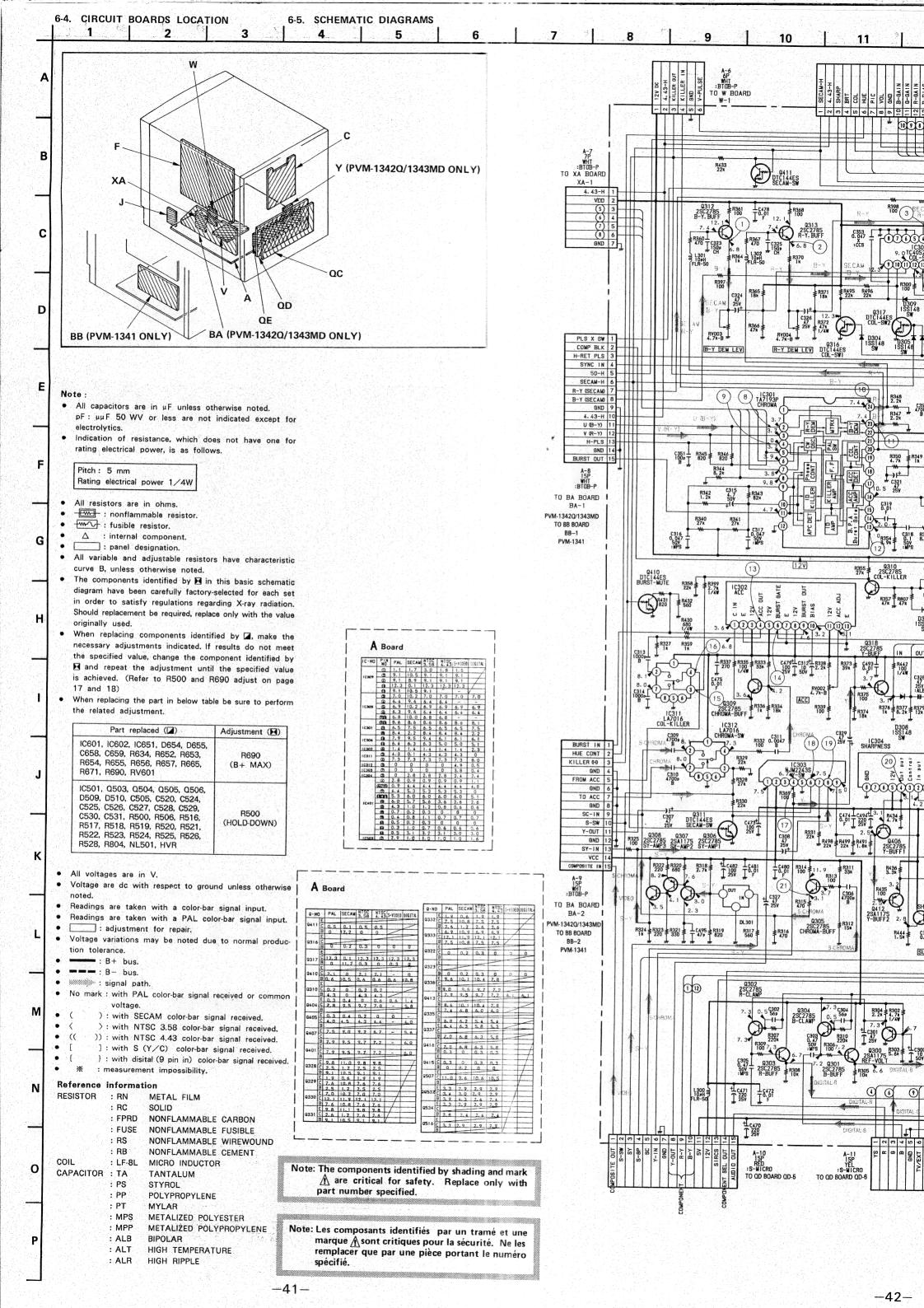


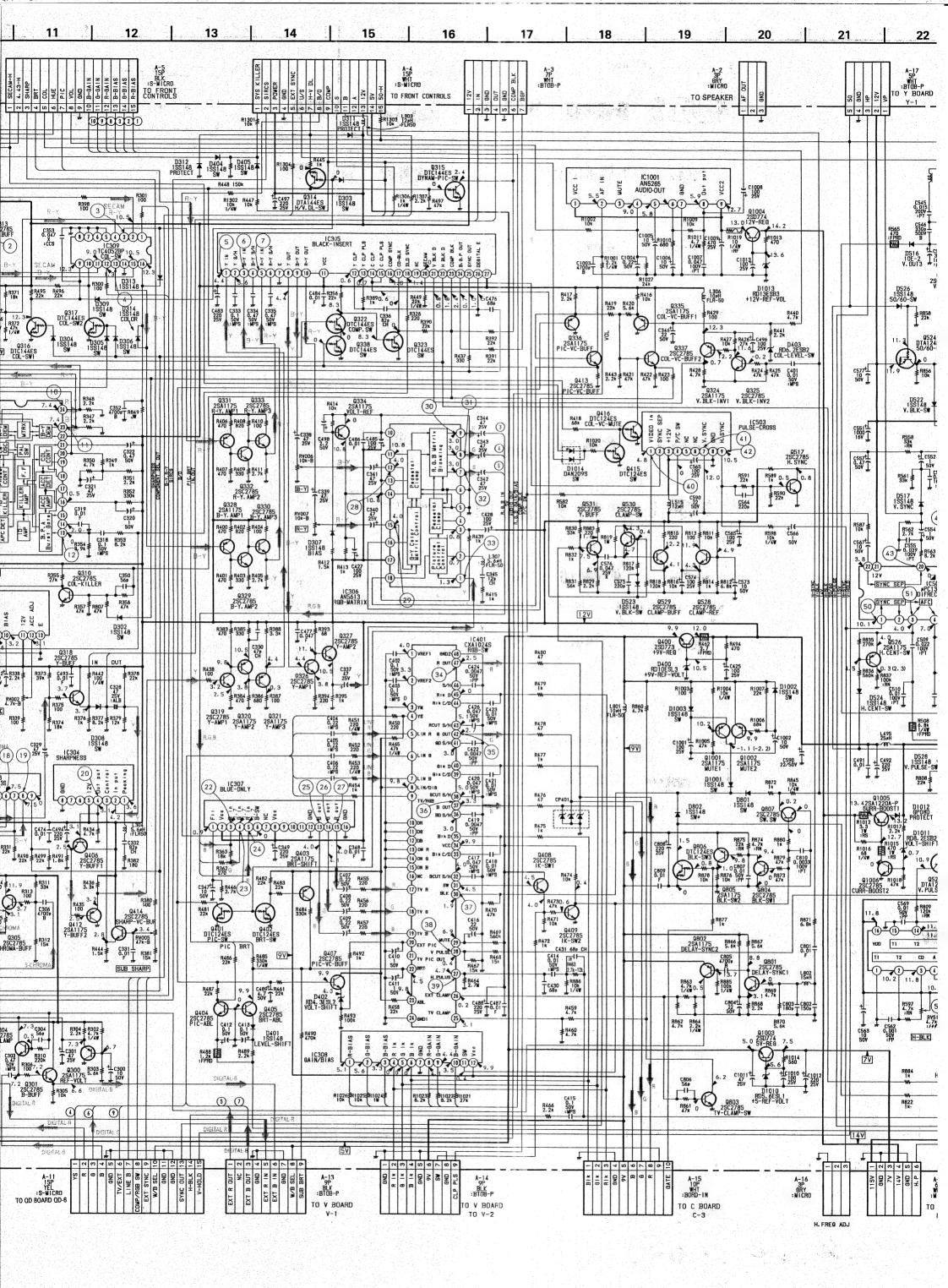
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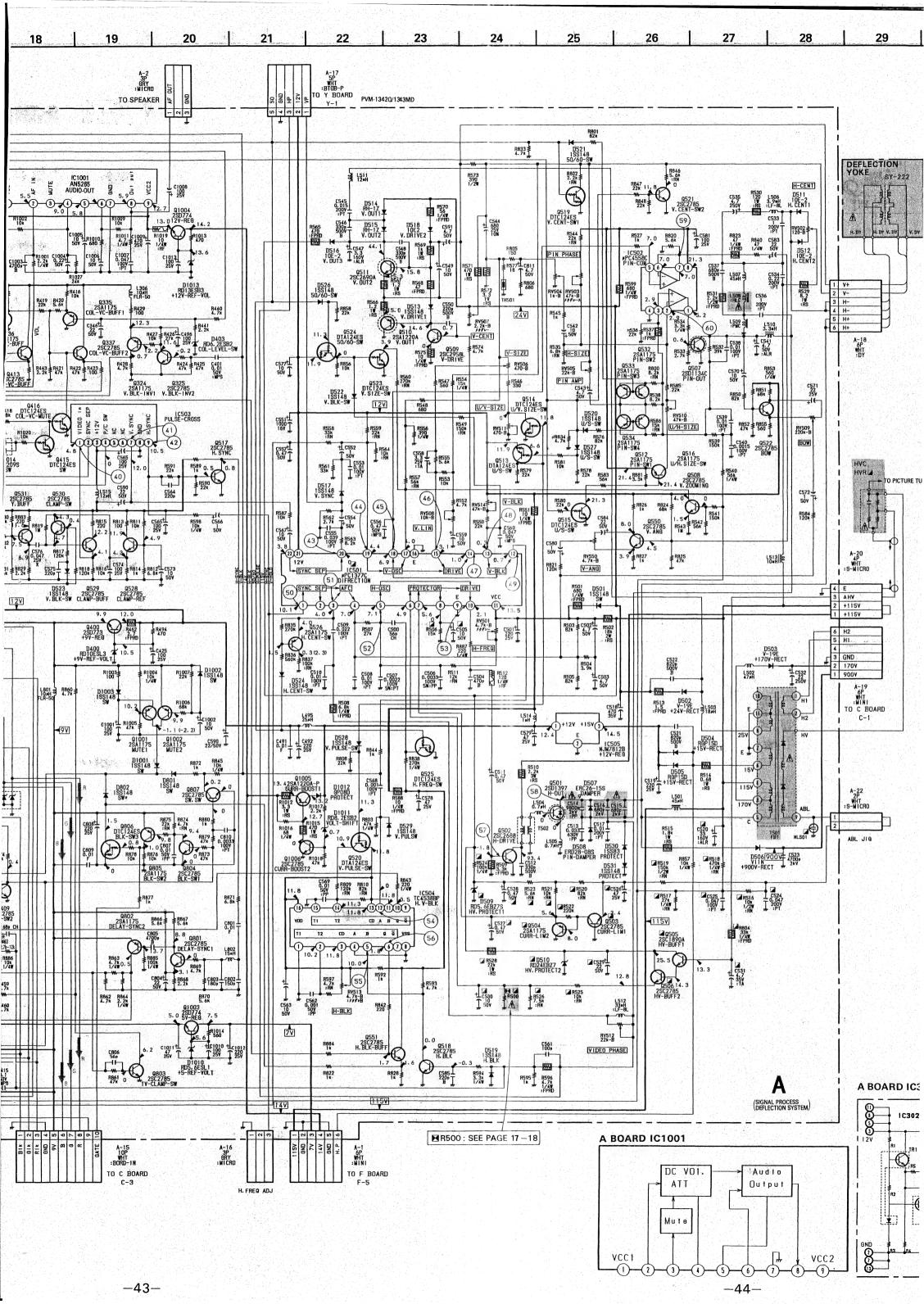


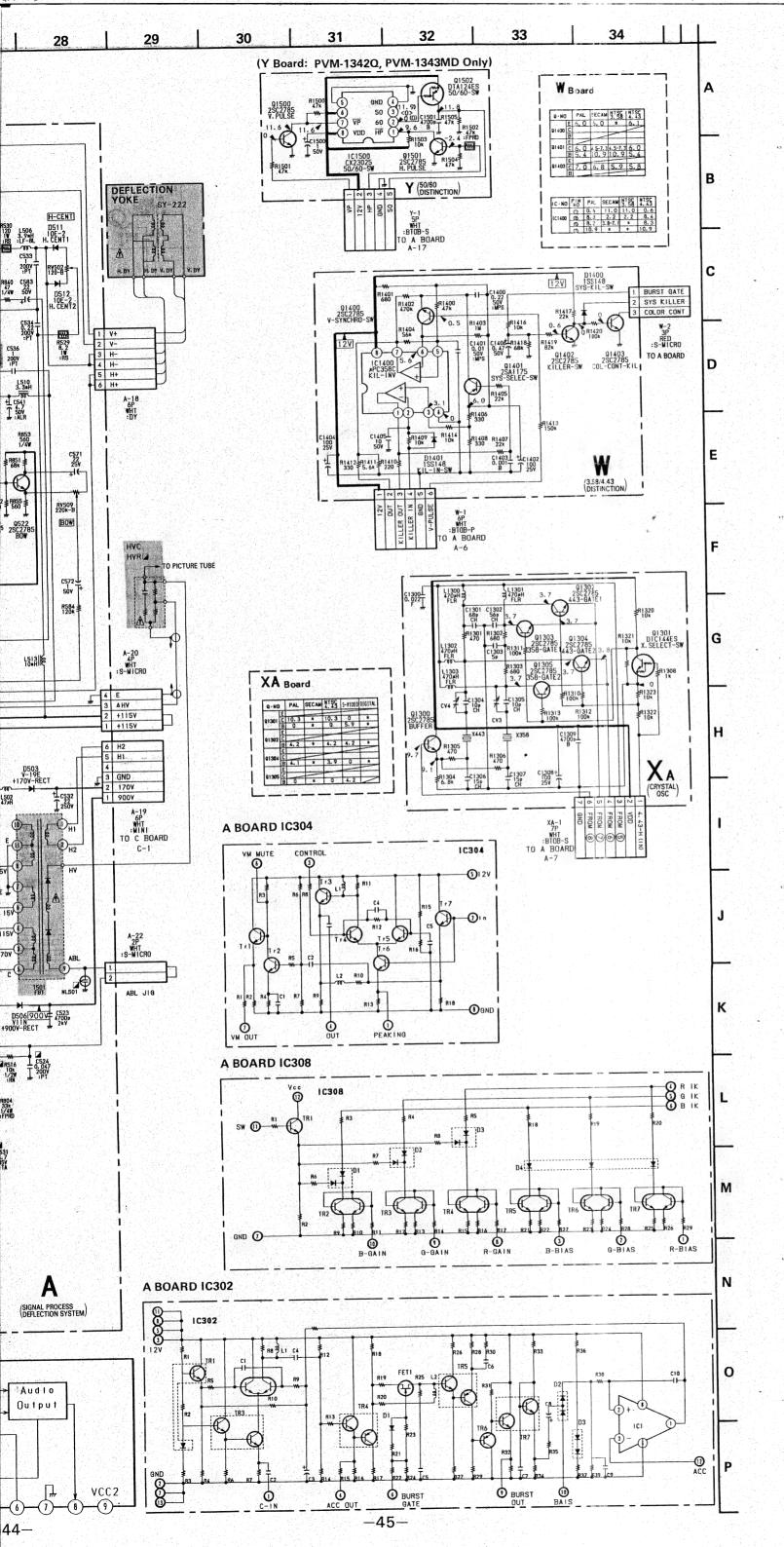
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A BOARD WAVE	FORM			
①	1	2	. ②	2
Manufaller 12 x2-2 (H)	NTBC3-58 1.9V9-9 (H) NTBC3-58 1.9V9-9 (H) NTBC4-43 1.9V9-9 (H)	PAL 1.7 V9-9 (H) NT9C3.58 1.7 V9-9 (H)		[[] [] [] [] [] [] [] [] [] [
3	3	3	4	4
	Thy hal	NTSC3. 58 0. 9 Vo-9 (H) NTSC4. 43 0. 9 Vo-9 (H) ST//O 0. 9 Vo-0 (H)	PAL 1.0 Vp- » (H) NTSCS. 58 1.0 Vp- » (H) NTSCS. 43 1.0 Vp- » (H) NTSC4. 43 0.9 Vp- » (H)	4001440014401
FAL 1.9 Vp-p (H) RTBC3.56 1.6 Vp-p (H) RTBC4.43 1.8 Vp-p (H) RTPC4.70 1.6 Vp-p (H)		DIBITAL 1.6Vy-p (H)	6 M40 PAL 1.2 V9-9 (H) NTBC3. 56 2.2 V9-9 (H) NTBC4. 43 2.2 V9-9 (H) S f7/C) 2.2 V9-9 (H)	(6) 8EECAM 3.0Vo-1 (H)
7 	(The shall		8	MTSC3. 56 D. 2 Vp-p (H) NTSC4. 43 D. 2 Vp-p (H)
MIBCS. 49 2. 2V9-9 (H)		0.15 Vp - p (H)	BECAM Q. 15 Vp-p (H)	B (7/2) D. 2 Vp = 2 (H)
PAL 3.279-9 (H) KTSC3.58 3.279-9 (H) KTSC4.43 3.279-9 (H) S (7/C) 3.279-9 (H)	·	pre 1.840-2 (H)	MTSCS. 58 2.0 Vp-p (H) NTSC4. 43 1.8 Vp-p (H) 5 (Y/C) 1.8 Vp-p (H)	-4900 Lynn 1 Lyn
11) MTBC3.58 2.2Vp-p (H) MTBC4.43 2.0Vp-p (H)		PAL 0.5 Vp-7 (H) NTBC3.58 0.5 Vp-7 (H) NTBC4.43 0.5 Vp-7 (H)		
2.2 Ve-p (H)	2.9 Vp = p (H)	8 (7/Q) 0.5 Vp-p (H)	BECAN 0.5VP-p(H)	12 Vp-p (H) (8) PAL NISC3.58 1.6 Vp-p (H)
NTBCS. 58 5. 0Vp-p (H) NTBC4. 43 5. 0Vp-p (H) 8 (Y/C) 5. 0Vp-p (H)	NTSC4. 43 0. 25 Vp-p (H)	MTBC4.43 1.3 Vp-p (H)	SECAM 1.0Vp-p(H)	NTSC4.43 [.47p-p(H)] B (Y/C) [.47p-p(H)]
13	144°t ©	PAL 0.79-9-(H) N:8C3.56 0.779-9-(H) N:8C4.43 0.69-9-(H)	Contraction of the contraction o	2) + 100 + 1
PAL 1.0V-9 (H) NTBC3.58 1.0V-9 (H) NTBC4.43 1.0V-9 (H) NTBC4.43 1.0V-9 (H)		PAL 1.0 00-9 (H) WISCS. 58 1.0 00-9 (H) WISCS. 43 1.0 00-9 (H) BOYO 1.0 00-9 (H)		
9 17 1 1 0 25 2 5 H	#IBC9.58 1.0Vp-p() #18C9.58 1.0Vp-p() #19C9.59 1.0Vr-p() #19C9.50 1.0Vr-p()	PAL 2.5 Vy-7 (1) NTSCS. 58 2.5 Vy-7 (1) NTSC4. 43 2.5 Vy-7 (1)		PAL 2.8V, () NTBC3.58 2.8V, () NTSC4.43 2.8V, ()

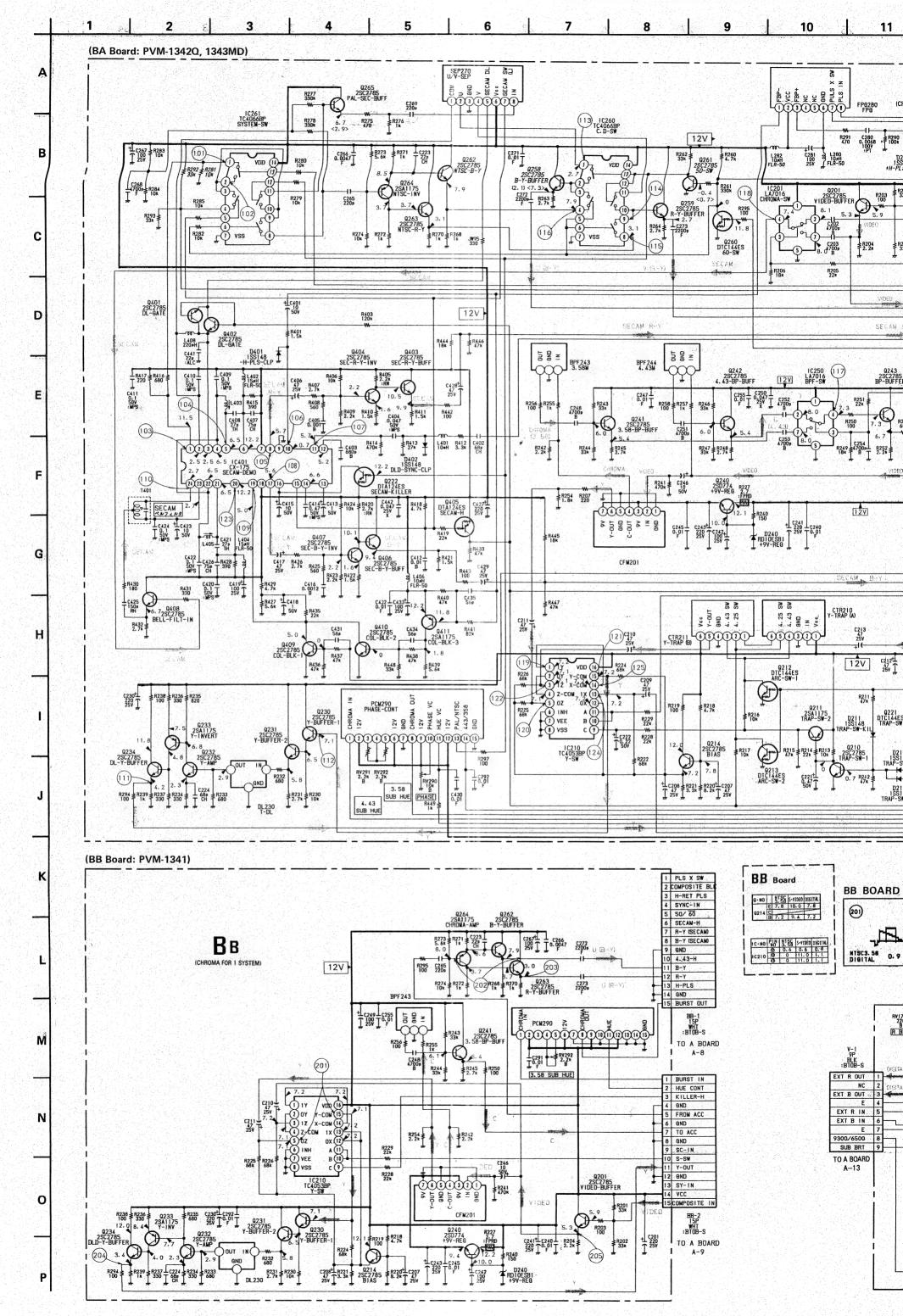
<u></u>		1	•	
29	Ø	0	27	28
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BECAN 2.0Vp-p()	PAL 2.8 Vp - p ()	BECAM 2.2 Vp-p ()	NTSC3.58 3.0Vp-p() NTSC4.45 5.0Vp-p() 8 07/CD 3.0Vp-p()	NTSC3.58 0.7 Vp-p() NTSC4.43 0.7 Vp-p()
23	29	29	29	9
monthorn	HAMPINATI	Thy Thy 1	hallhallhaq	PAL 1.1 Vp-7 (.)
SECAN 0.77p-p ()	PAL 0.6 Vp-p ()	SECAN 0.7 Vp-p()	NTSCS. 58 D. 6 Vp = p () NTSC4. 43 D. 6 Vp = p () B (Y/C) D. 6 Vp = p ()	NTSCS. 58 1. D Vs-p () NTSC4. 43 1. D Vs-p () S (Y/C) (. D Vs-p ()
30	3)	3)	3	3
	PAL 1.0V9-9 (H)	1212	MATHER	mama
BECAM 0.979-p(H)	NTBC3.58 1.0Vp-p (H) NTBC4.43 1.0Vp-p (H) B (Y/D 1.0Vp-p (H)	BECAM 0. 8 Vp-p (H)	PAL 1.0Vp-p (H)	SECAM D. B Ve-p (H)
and the	33 	Williams Amino la	93 139	39
WTSCS.58 (.0 Vs-s (H)	PAL 0.4 Va - a (H) KTSC3.58 0.4 Va - a (H)	י ישנון ושנוי	[hrtir-hrtig-/]	<u> </u>
NTSC4. 48 1. 0 Vp - p (H) 5 (7/C) 1. 0 Vp - p (H)	NTSC4.48 0.4Vp-p(H)	SEC.N 0.3Vp-p (H)	PAL . 4.0 Vp-p (H)	SECAM 3.8 Vp-p (H)
TLMTLMTh	(4) TI ~ TI ~ TI		(1)	3
MARCS: 29 4:0Ab-16 (H)		PAL 40 VP-9 (H) NTSC3.58 4.6 VP-9 (H)	1 hm m	
NTSC4. 43 4. 0 Vp - p (H) 8 (Y/C) 4. 0 Vp - p (H)	DIGITAL 3.5Vp-p()	N18C4. 43 4. 6 Vs - s (H)	BECAM 4.3Vp-p (H)	DIBITAL 4.0Vp-p (H)
(36)	66	69	③	(3)
PAL 5.27p-p(H) NTSC3.58 5.07p-p(H) NTSC4.43 5.07p-p(H)	Innat Innat			
5.079-3 (H)	SECAN 4. 8 Va-a (H)	DIRITAL 4.8V9~9 (H)	10 Vo-o (H)	5.5Vp-p (H)
۸۸	1,421,	J. J		(1)
	PAL 1.1V9-9 (H) NTBCS.58 1.0V9-9 (H) NTBC4.43 1.1V9-9 (H)	V - V	ער ער ער	
3. 6Vp-p (H)	6.9V1-8 (H)	0.9Vp-p (H)	DIBITAL 1.549-9 ()	0.3540-0(4)
			1/1/	
			1 7	
11. Vp-p (H)	10 V2-2 (V)	3.5Vp-p (V)	3.07,-, (7)	(1.7 Vp-p (V)
	11	חחח		\bigwedge
2.0Ye-e (Y)	5. 6 Vp-p (V)	11 Vp-p (Y)	6. DYp-p (H)	4. DVp-p (H)
2	63	53	63	69
1/1		4		
4.5Vz-p (H)	S. 5Vp-p (H)	10 Yp-p (Y)	∐ ∐ 12 Vø−ø (H)	11 Vp-p (H)
1	69	69	60	0
Innrl	1-1-1-1	11	N	
4.0Vs-s (H)	1500V»-» (H)	3. 0 Vp-p (V)	1.5Vp-p (V)	Vp-p ()

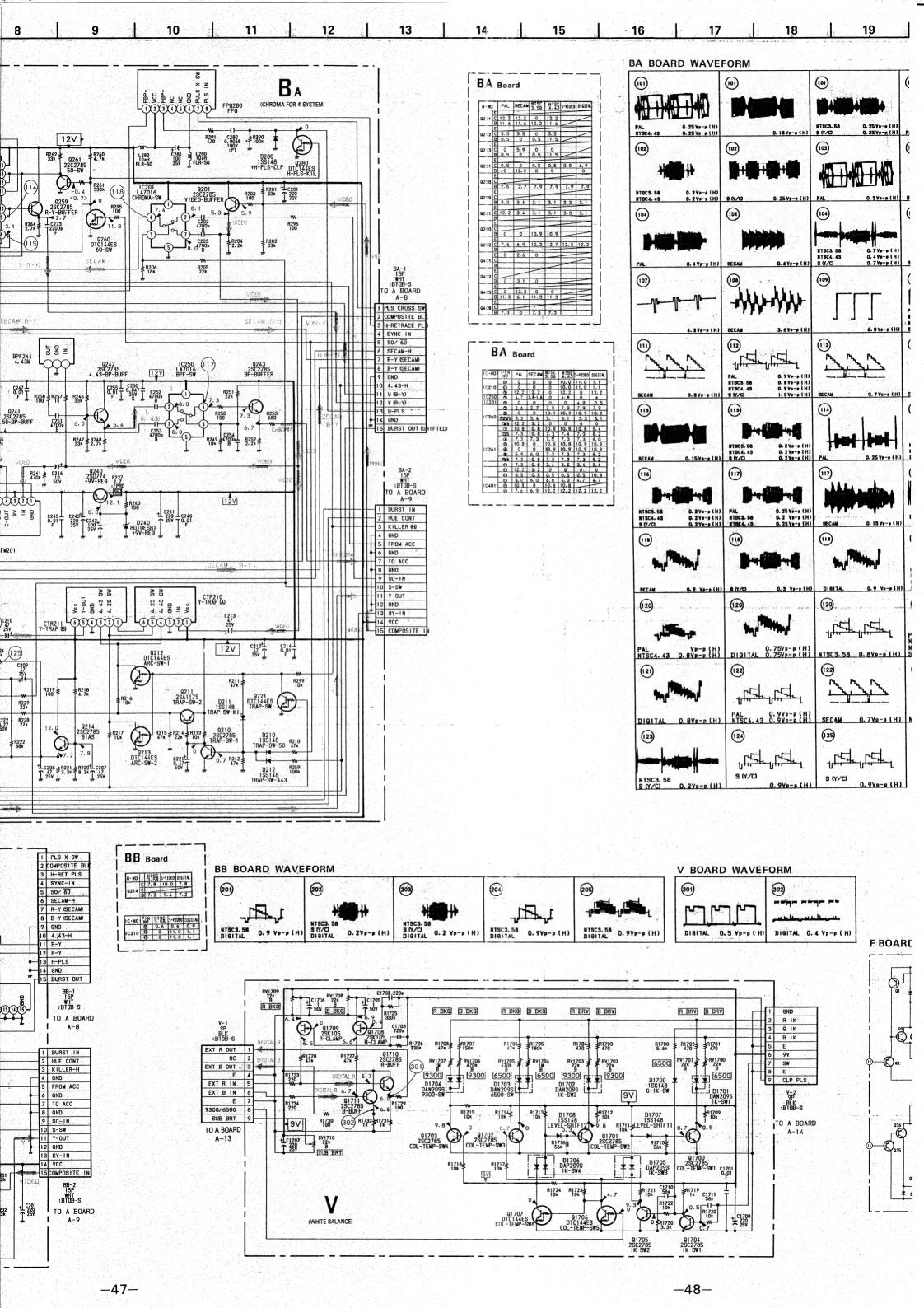


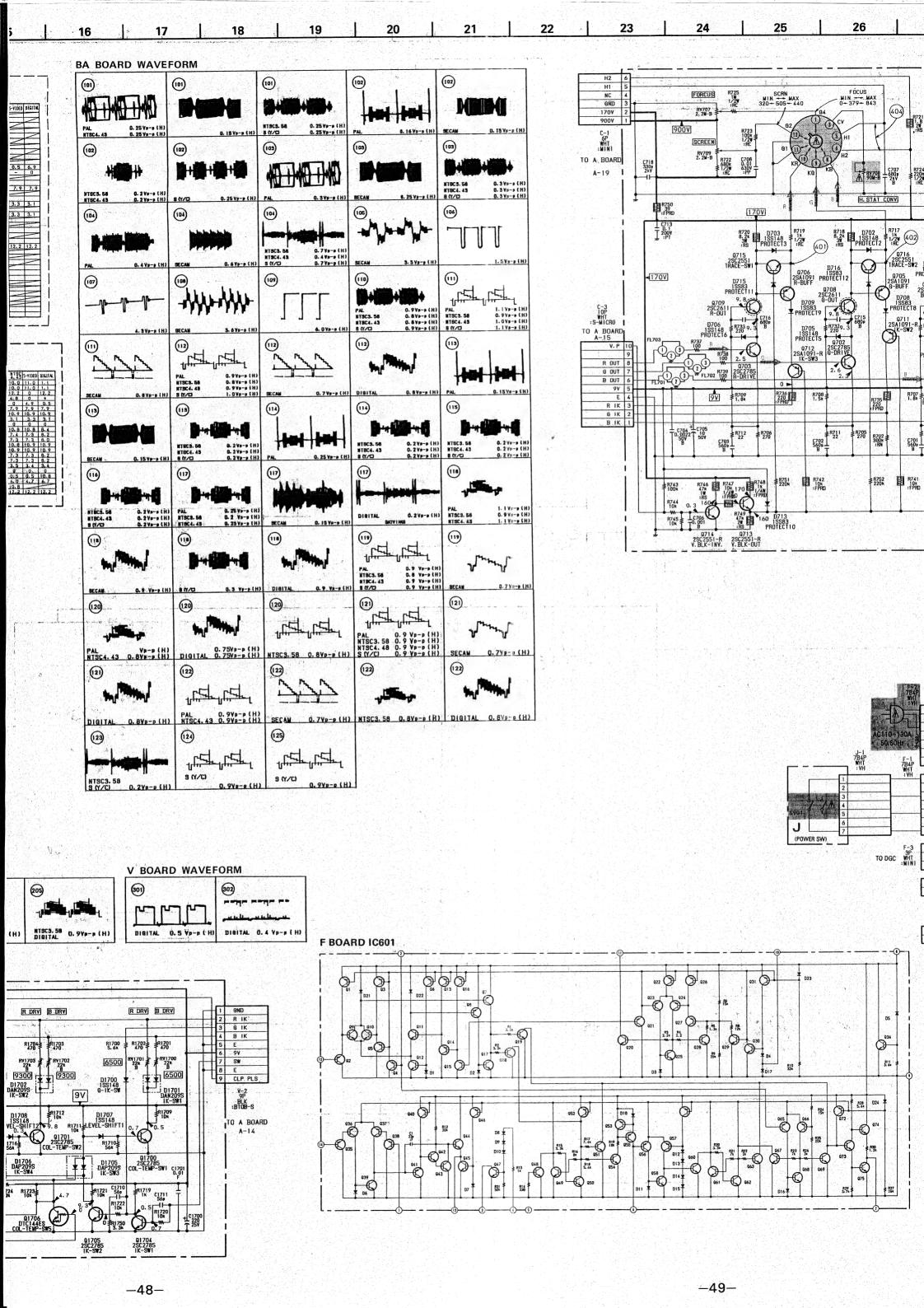


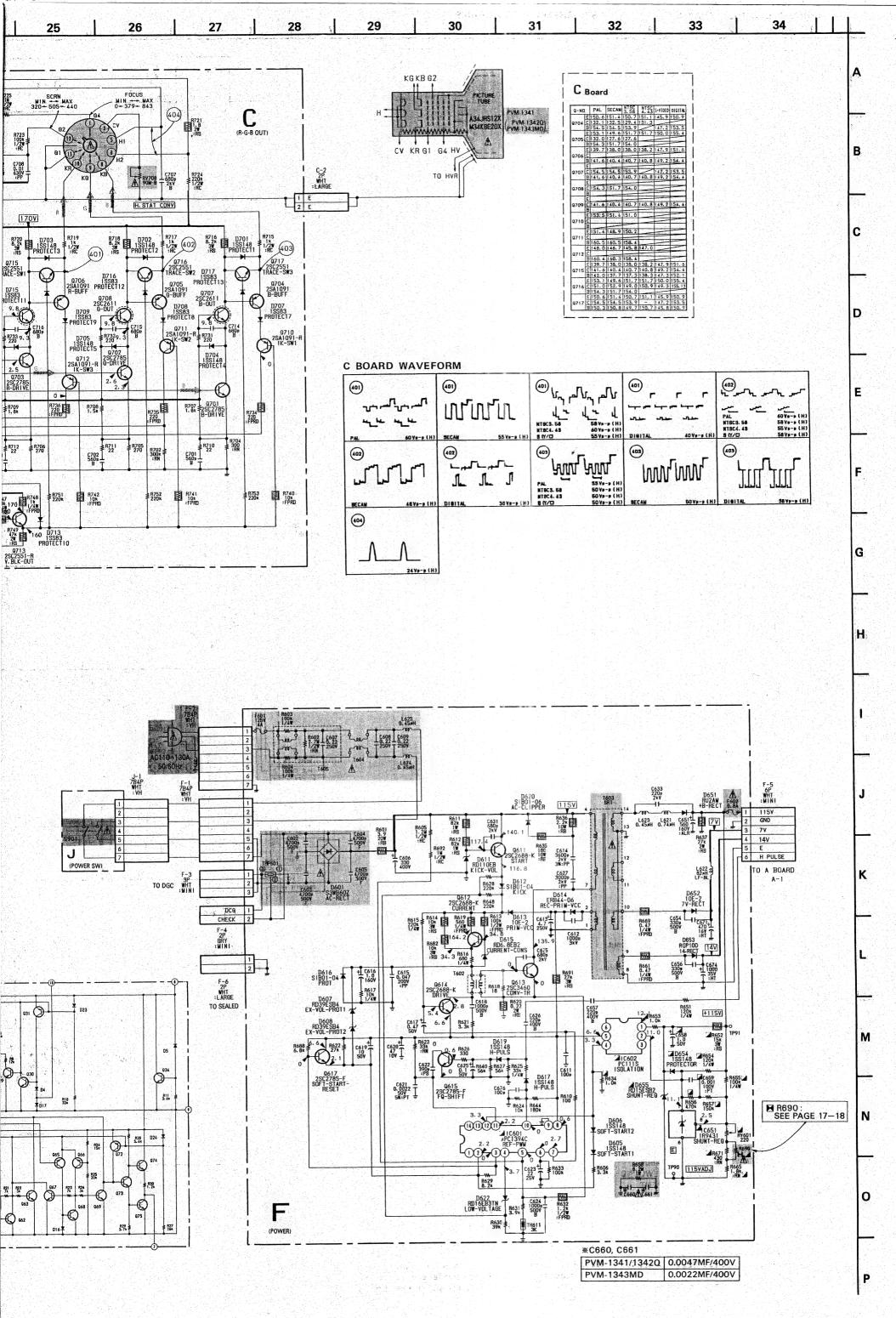






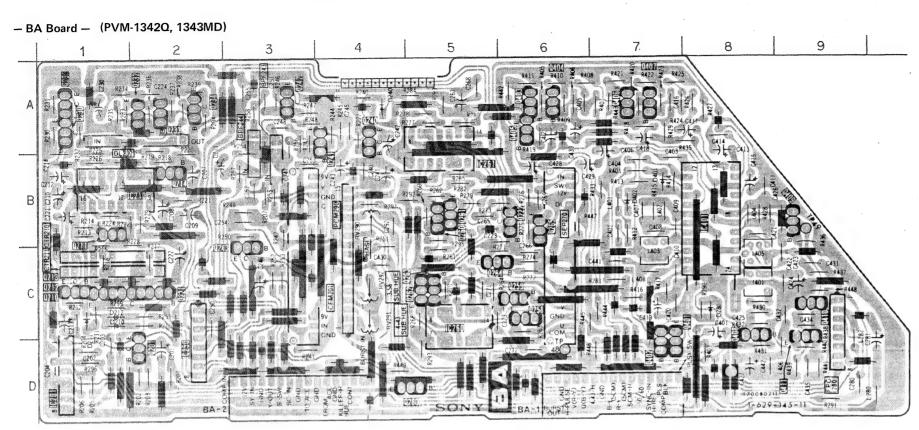






PVM-1341/1342Q/1343MD

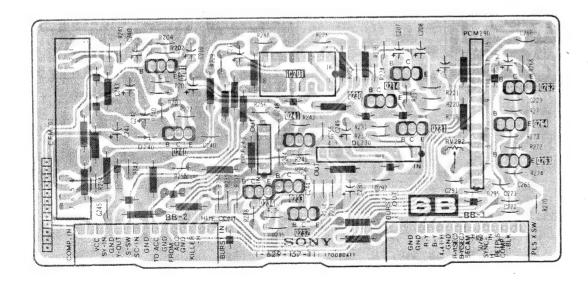




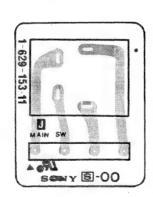
BA Board

ם סטמו	- .			 	
	IC	Q241 Q242	A-4 A-3	DIC	ODE
IC201 IC210 IC250 IC260 IC261 IC401	D-1 B-1 D-2 C-5 B-5 B-8	Q243 Q258 Q259 Q260 Q261 Q262 Q263	C-3 C-6 C-6 B-5 B-5 C-5	D210 D211 D212 D240 D280 D401 D402	C-1 C-1 C-1 A-4 C-8 B-7 B-7
0201	D-2	Q264 Q265	C-5 B-6		IABLE ISTOR
Q210 Q211 Q212 Q213 Q214 Q221 Q222 Q230 Q231 Q232 Q233 Q233 Q234	C-1 B-1 C-1 C-1 B-2 C-2 B-6 A-1 A-1 A-2 A-2	Q280 Q401 Q402 Q403 Q404 Q405 Q406 Q407 Q408 Q409 Q410 Q411	D-5 D-7 D-7 A-6 A-6 A-7 A-7 D-8 B-9 C-9 D-9	RV290 RV291 RV292	B-4 C-4 C-4

- BB Board - (PVM-1341)



- J Board -

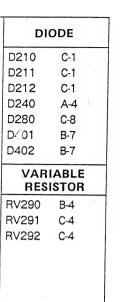


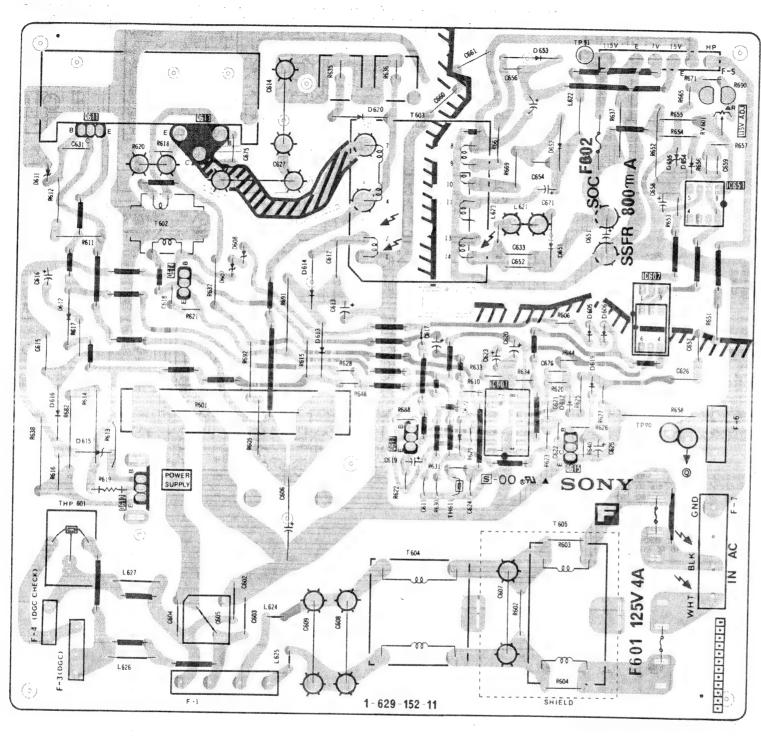




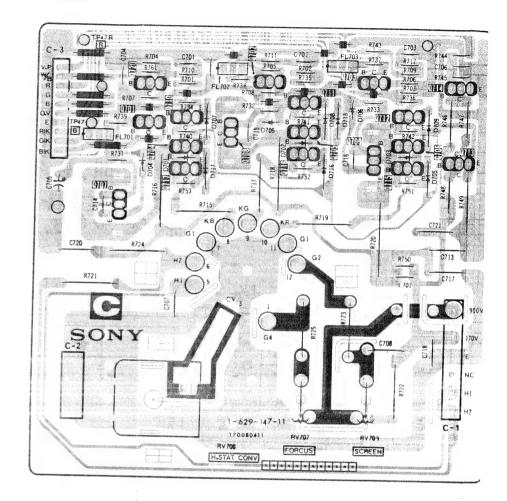


- F Board -

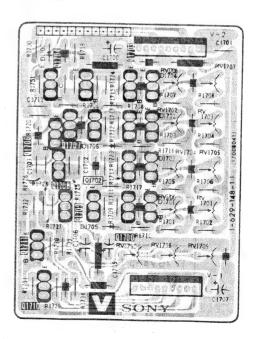




- C Board -



- V Board -

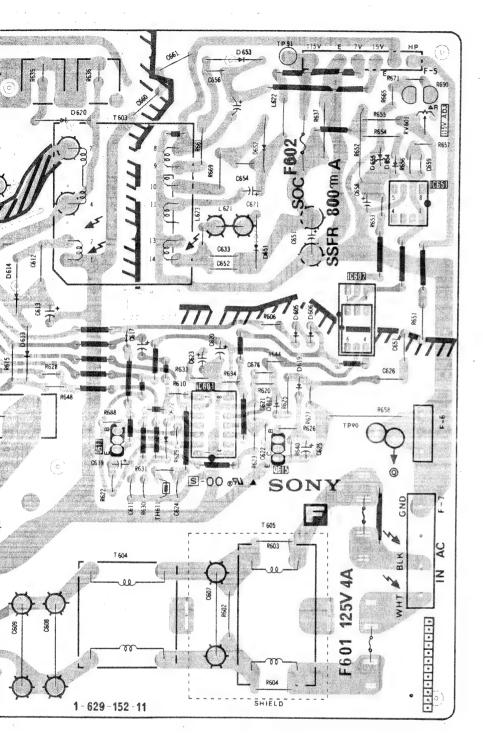


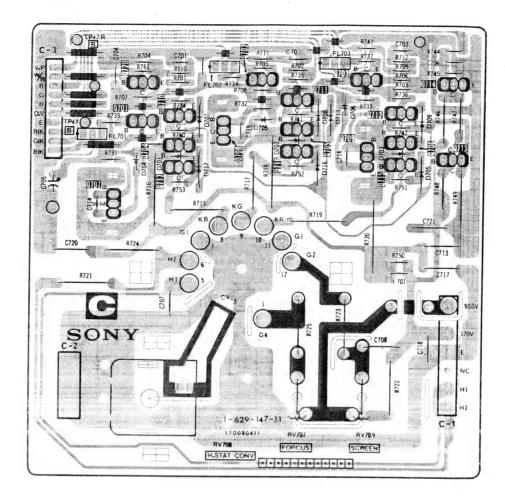
F [POWER]

C [R-G-B OUT]

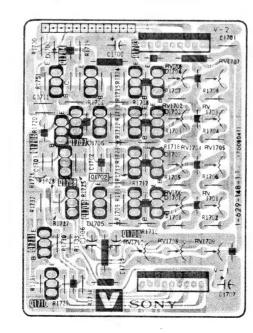
[WHITE BALANCE]

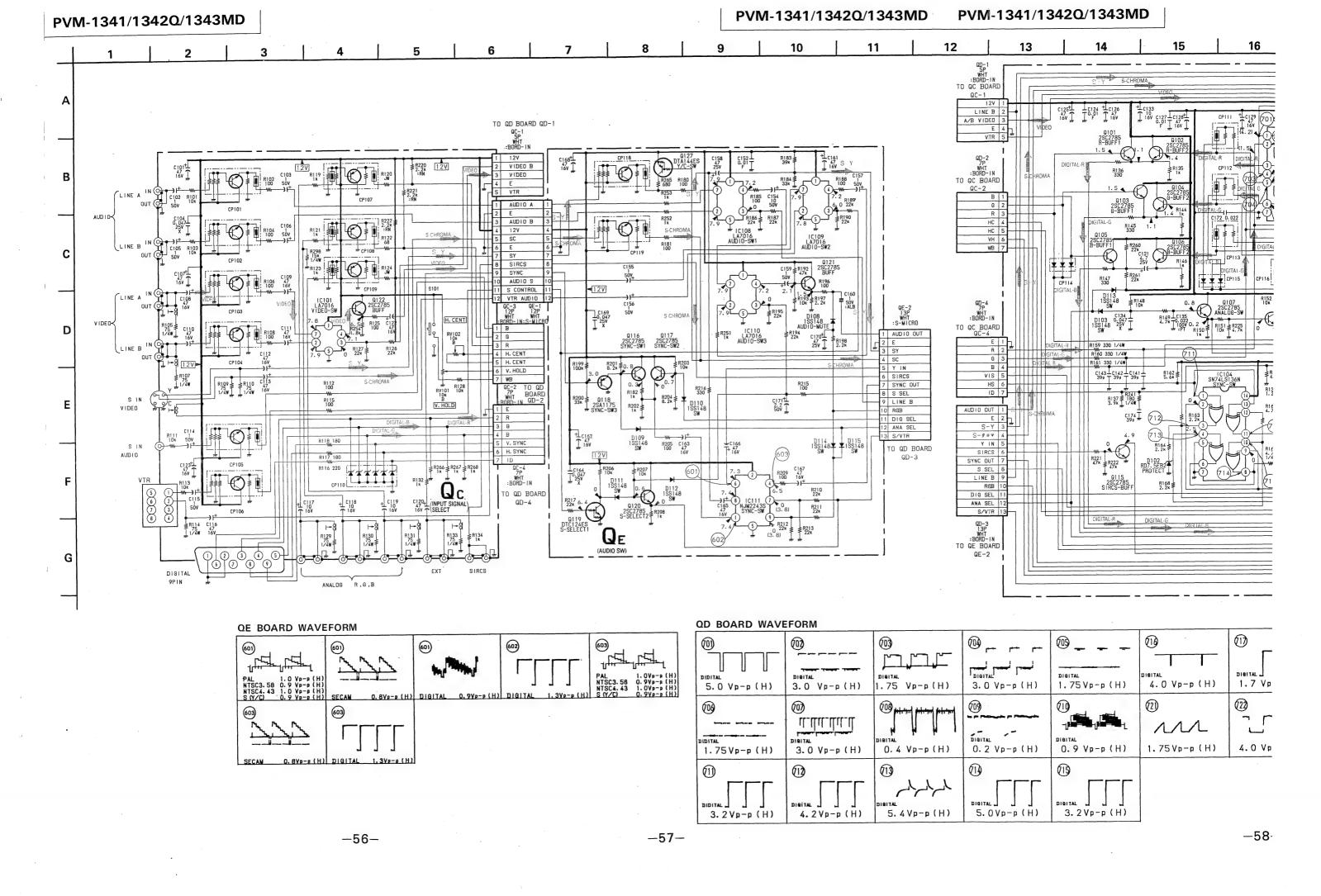
- C Board -

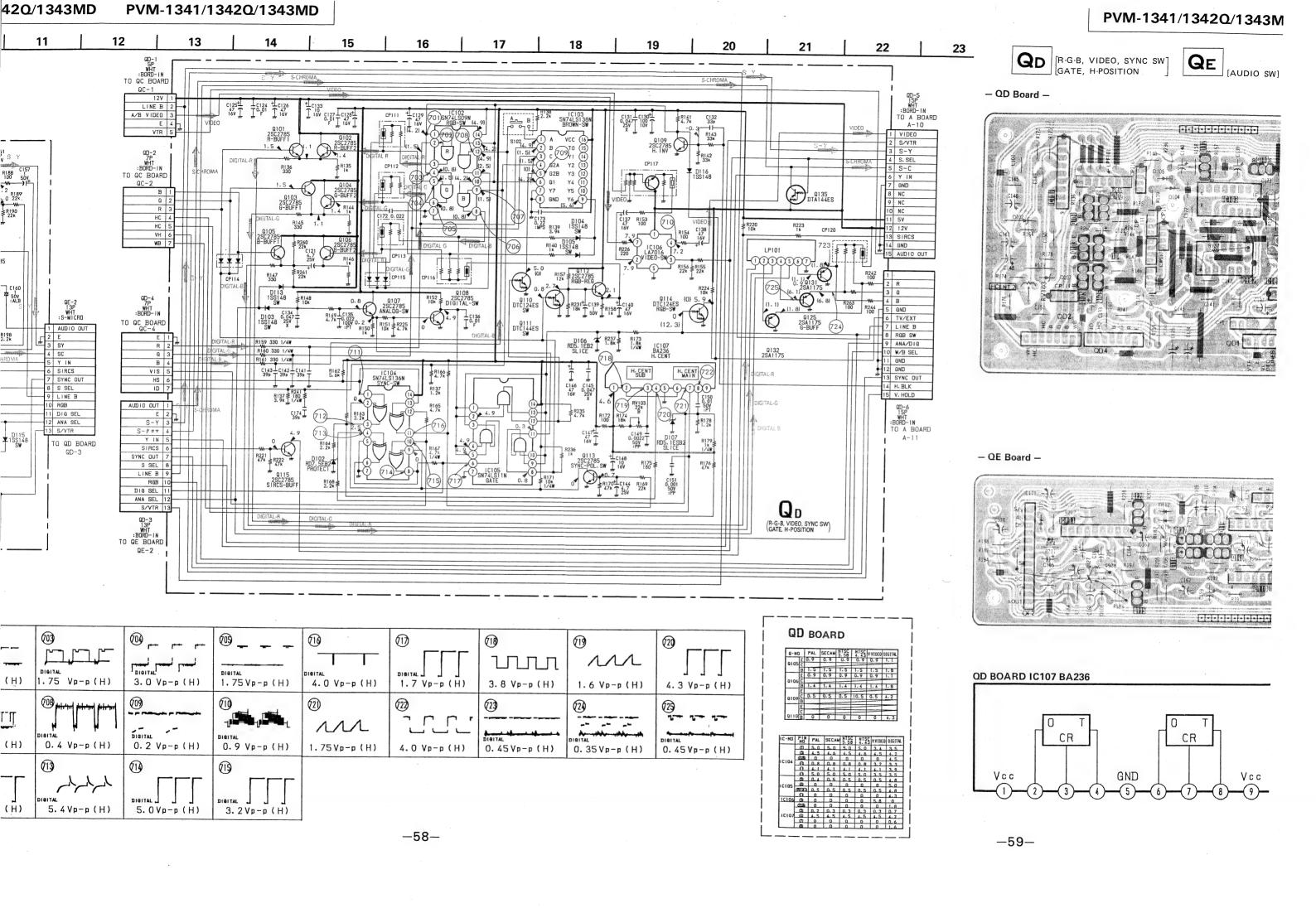


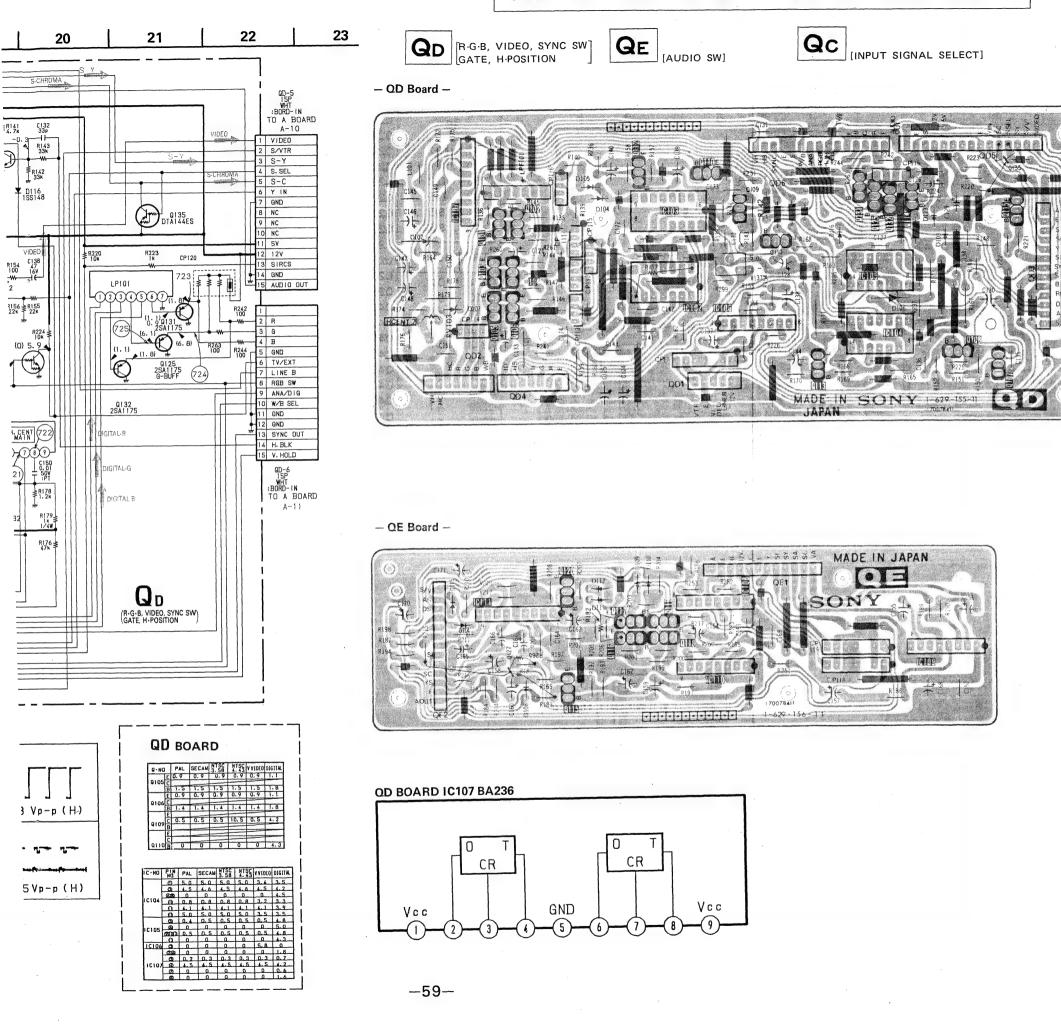


- V Board -

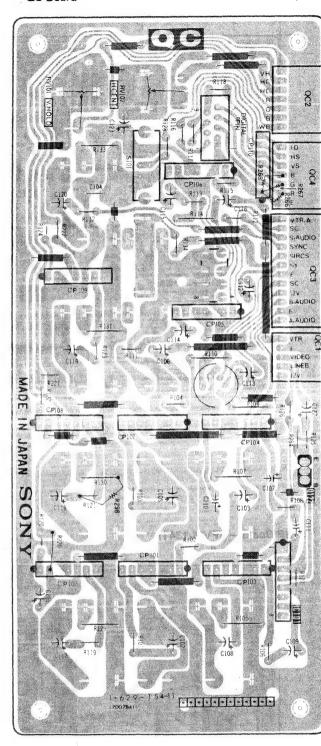






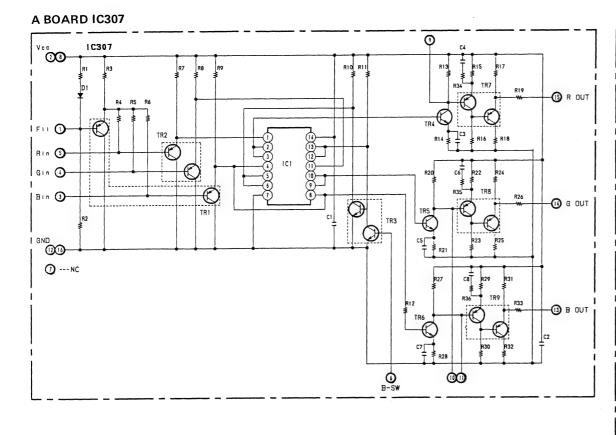


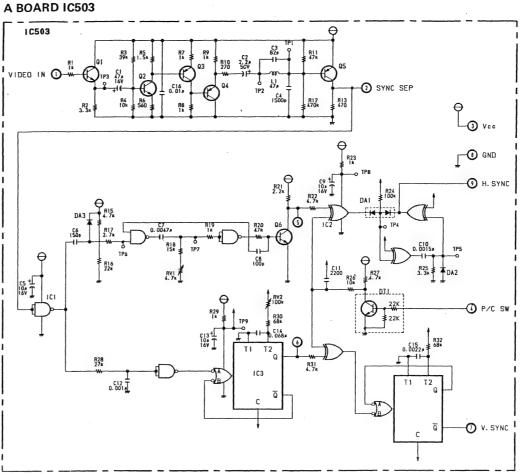
- QC Board -

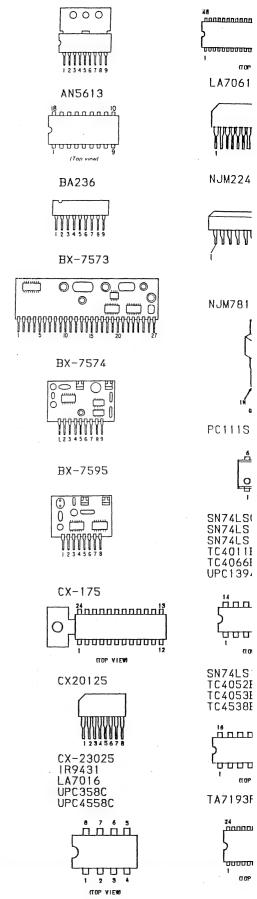


AN5265

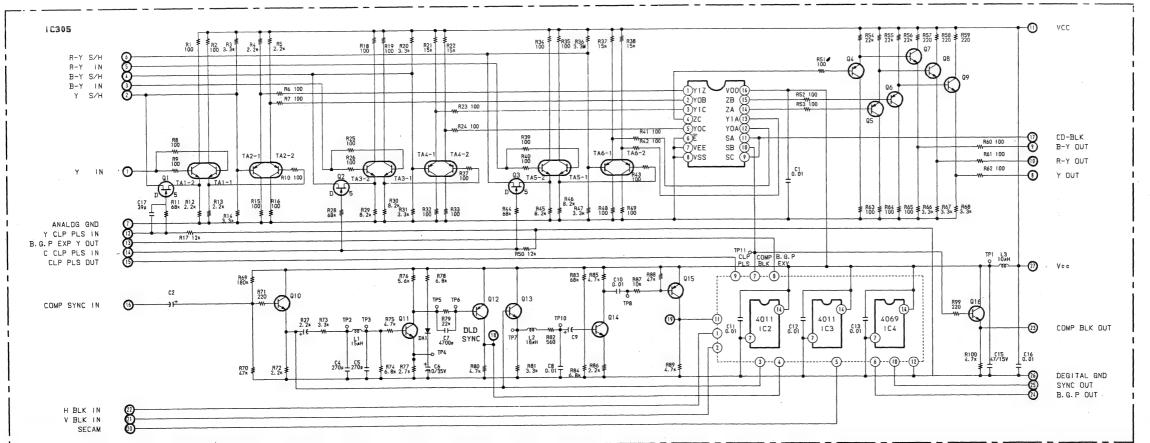
CXA102







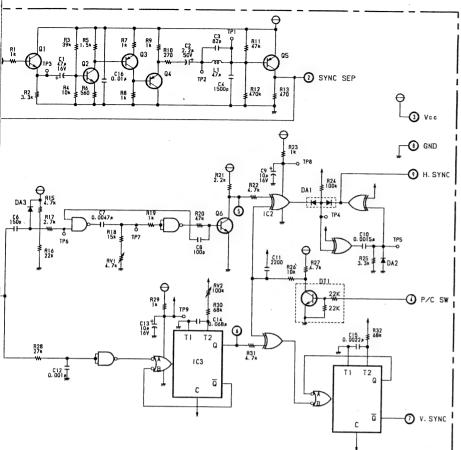
A BOARD IC 305

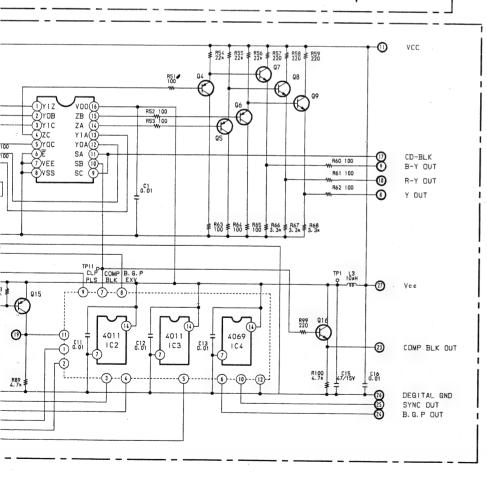


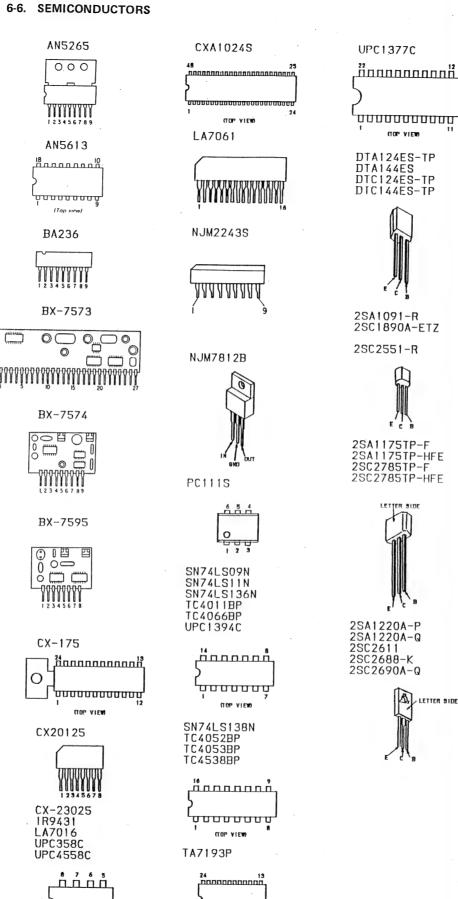
IC503

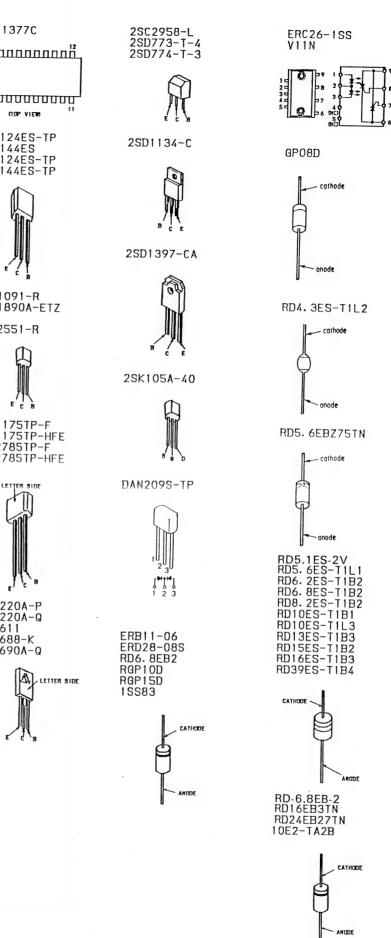
6-6. SEMICONDUCTORS

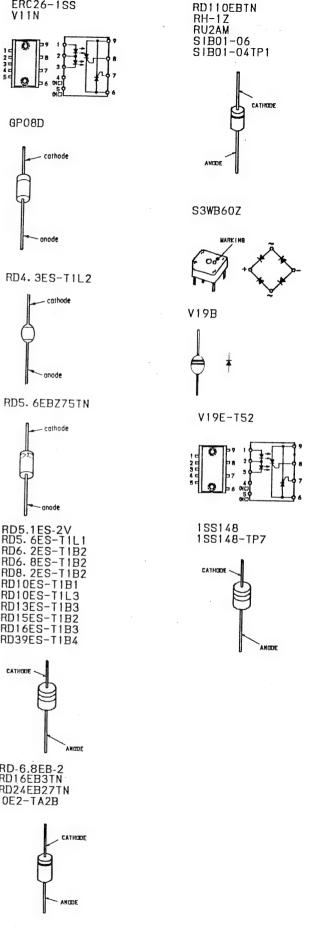
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SECTION 7 **EXPLODED VIEWS**

NOTE:

Items with no part number and no description are not stocked because they are seldom required for routine service.

The construction parts of an assembled part are indicated with a collation number in the remark column.

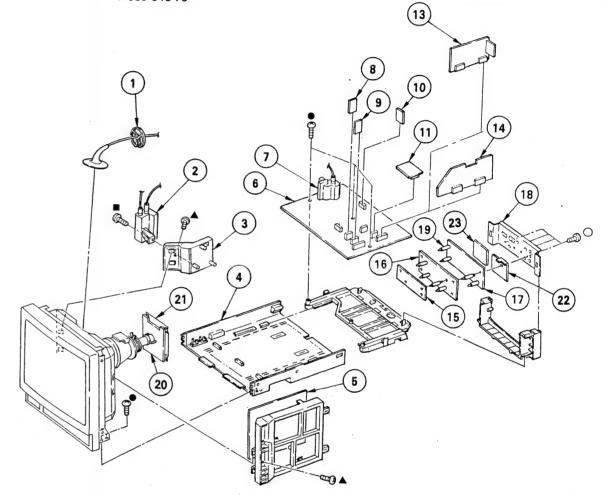
Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark 🛕 are critical for safety. Replace only with part number specified.

Les composants identifies par une trame et une marque 🛦 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

7-1. CHASSIS

●: BVTP3 x 12 7-685-648-79 ■: BVTP4 x 16 7-685-663-79 ▲: BVTT4 x 8 7-682-561-04 0: BVTP3 x 8 7-685-646-79



No.	Part No.	<u>Description</u> <u>Remar</u>	k No.	Part No.	Description	Remark
3 4 5	*4-391-842-01 *4-391-805-1 *A-1245-446-A *A-1245-455-A *A-1296-520-A 1-439-395-12 *1-629-149-11 *1-629-151-11	CABINET ASSY, BOTTOM F BOARD, COMPLETE (PVM-1341/1342Q ONLY F BOARD, COMPLETE (PVM-1343MD ONLY) A BOARD, COMPLETE 8,9 TRANSFORMER ASSY, FLYBACK W BOARD) 15 16 17 18 19 20	*A-1135-532-A *A-1270-249-A *A-1270-247-A *A-391-843-12 *3-682-419-01 *A-1330-913-A *4-391-835-01 1-537-191-11	QL BOARD, COMPLETE QD BOARD, COMPLETE QC BOARD, COMPLETE PLATE, TERMINAI	VM-1341 ONLY) 10,11,20 -1342Q/1343MD ONLY)

SECTION 7 **EXPLODED VIEWS**

- NOTE:
 Items with no part number and no description are not stocked because they
- are seldom required for routine service.

 The construction parts of an assembled part are indicated with a collation number in the remark column.

Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

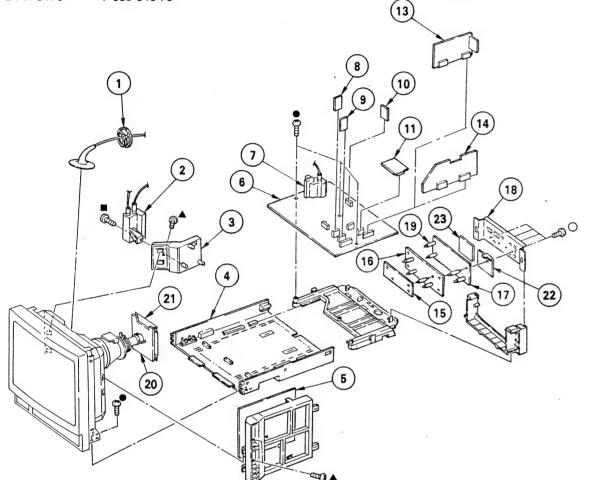
The components identified by shading and mark A are critical for safety. Replace only with part number

specified.

Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

7-1. CHASSIS

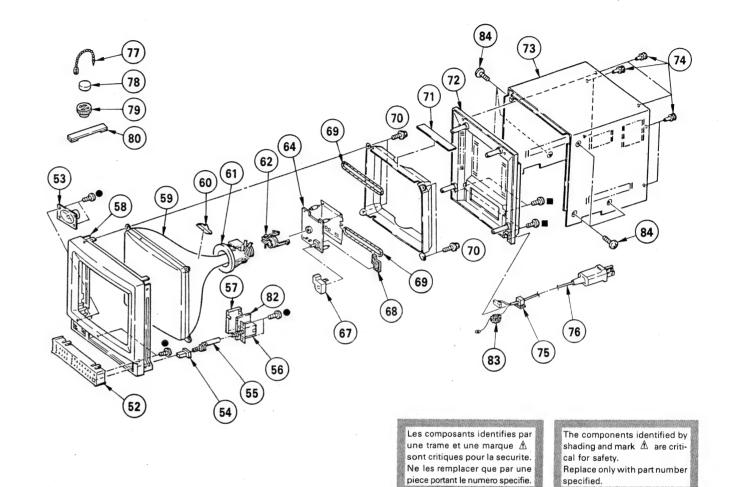
●: BVTP3 x 12 7-685-648-79 ■: BVTP4 x 16 7-685-663-79 **▲**: BVTT4 x 8 7-682-561-04 o: BVTP3 x 8 7-685-646-79



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
3 4 5 6 7 A 8 9	*4-391-842-01 X-4391-805-1 *A-1245-446-A *A-1245-455-A *A-1296-520-A 11-439-395-12 *1-629-149-11 *1-629-151-11	CABINET ASSY, BOTTOM F BOARD, COMPLETE (PVM-1341/13420 F BOARD, COMPLETE (PVM-1343MD ON	Q ONLY) LY) 3,9	11 13 14 15 16 17 18 19 20 21 22 23	*A-1135-532-A *A-1270-249-A *A-1270-248-A *A-1270-247-A 4-391-843-12 *3-682-419-01 *A-1330-913-A *4-391-835-01	QE BOARD, COMPLETE QD BOARD, COMPLETE QC BOARD, COMPLETE QC BOARD, COMPLETE PLATE, TERMINAL HOLDER, P.C.B C BOARD, COMPLETE PLATE (C) SHIELD TERMINAL BOARD, INPUT/OUTPUT (10,11,20 43MD ONLY)

7-2. PICTURE TUBE

●: BVTP3 x 12 7-685-648-79 ■: BVTP4 x 16 7-685-663-79



No.	Part No.	<u>Description</u> R	emark	No.	Part No.	Description	Remark
52	1-466-076-11	CONTROL UNIT (PVM-1342Q ONLY)		67	*4-374-912-01	COVER (MAIN), CV VOL	
	1-466-076-21	CONTROL UNIT (PVM-1343MD ONLY)		68	*4-374-913-01	COVER (REAR LID), CV VOL	
	1-466-077-11	CONTROL UNIT (PVM-1341 ONLY)		69 ∧	.1-426-375-11	COIL, DEMAGNETIZATION	
53	1-544-063-11	SPEAKER		70	4-365-808-01	SCREW (5), TAPPING	SECTION OF SECURITY AND ASSESSMENT OF SECURITY ASSESSMENT OF SECURIT
54	4-374-839-11	BUTTON (A)		71	4-391-833-01		
55	4-391-824-01	JOINT			4-391-839-01		
56	1-554-967-12	SWITCH, PUSH (AC POWER)(1 KEY)				COVER ASSY, TOP (PVM-1341/134	20 ONLY)
57	*4-391-820-01	COVER, AC SWITCH			X-4391-810-2	COVER ASSY, TOP (PVM-1343MD C	
58		BEZEL ASSY (PVM-1342Q ONLY)		74	4-391-825-01	RIVET, NYLON	,
	X-4391-804-2	BEZEL ASSY (PVM-1341 ONLY)		75 ₼	*4-364-726-01	BUSHING, AC CORD (PVM-1343MD	ONLY)
BOD TO BOOK	X-4391-804-3	BEZEL ASSY (PVM-1343MD ONLY)		A	*4-371-185-02	BUSHING, AC CORD (PVM-1341/13	420 ON Y)
59	A . 8-734-822-05		4.0	- 76 Å	1-574-443-11	CORD, POWER(WITH NOISE FILTER	יין
		(PVM-1342Q/1343MD	ON Y)	V. Edministr			13420 ONLY)
	A .8-736-255-05	PICTURE TUBE (A34JHS12X) (PVM-1341	ONLY)		.1-574-445-11	CORD, POWER (MEDICAL INSTRUME	NT)
60	3-703-961-01	SPACER, DY	enteriorista	_ Libyesia	a kongranisti i Presi		343MD ONLY)
61	A .1-451-329-11	DEFLECTION YOKE (SY-222)		77	4-308-870-00	CLIP, LEAD WIRE	SHOULD DIET
62	*4-382-050-01	BAND, C PC BOARD	748 1118,	78	1-452-032-00		
64	*A-1330-913-A	C BOARD, COMPLETE		79	1-452-094-00		4
		, , , , , , , , , , , , , , , , , , , ,		80		PERMALLOY ASSY, CONVERGENCE	ν
				82	*1-629-153-11	J BOARD	
				83	1-543-604-11		
				84	4-847-802-11		

SECTION 8

NOTE:

ELECTRICAL PARTS LIST



The components identified by shading and mark \triangle are critical for safety.

Replace only with part number specified.

Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

- · All resistors are in ohms
- F : nonflammable

When indicating parts by reference number, please include the board name.

CAPACITORS COILS
• MF : μ F, PF : μ F
• MMH : μ H, UH : μ H

 The components identified by in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation.
 Should replacement be required, replace only with the value originally used.

Ref.No.	Part No.	Description			Remark	Ref.No.	Part No.	Description			Remark
	*A-1135-532-A	BA BOARD, CO ************************************	*****	120/1343	MD ONLY)	C280 C281 C292 C401 C402	1-108-624-11 1-124-478-11 1-101-004-00 1-123-875-11 1-101-888-00	MYLAR ELECT CERAMIC ELECT CERAMIC	0.0068MF 100MF 0.01MF 10MF 68PF	10% 20% 20% 5%	100V 25V 50V 50V 50V
BA1 BA2	*1-565-491-11 *1-565-491-11	CONNECTOR, B	OARD TO BOAR OARD TO BOAR	RD 15P RD 15P		C403 C404 C405 C406 C407	1-102-116-00 1-136-161-00 1-102-074-00 1-124-477-11 1-101-890-00	CERAMIC FILM CERAMIC ELECT CERAMIC	680PF 0.047MF 0.001MF 47MF 75PF	10% 5% 10% 20% 5%	50V 50V 50V 25V 50V
	3 1-236-363-11 4 1-236-364-11	FILTER, BAND				C408 C409 C410 C411 C411	1-102-722-91 1-136-165-00 1-136-165-00	CERAMIC FILM FILM FILM CERAMIC	27PF 0.1MF 0.1MF 0.1MF 0.01MF	5% 5% 5% 5% 10%	50V 50V 50V 50V 50V
C201 C202 C203 C207 C208	1-124-120-11 1-102-125-00 1-102-125-00 1-124-477-11 1-124-477-11	CERAMIC CERAMIC ELECT	220MF 0.0047MF 0.0047MF 47MF 47MF	20% 10% 10% 20% 20%	25V 50V 50V 25V 25V	C413 C414 C415 C416 C417	1-124-499-11 1-136-173-00 1-123-875-11 1-102-118-00 1-124-477-11	ELECT FILM ELECT CERAMIC ELECT	1MF 0.47MF 10MF 0.0012MF 47MF	20% 5% 20% 10% 20%	50V 50V 50V 50V 25V
C209 C210 C211 C212 C213	1-124-477-11 1-124-477-11 1-124-477-11 1-124-477-11 1-124-477-11	ELECT ELECT ELECT	47MF 47MF 47MF 47MF 47MF	20% 20% 20% 20% 20%	25V 25V 25V 25V 25V	C418 C419 C420 C421 C422	1-124-499-11 1-124-478-11 1-136-165-00 1-102-722-91 1-136-165-00	ELECT ELECT FILM CERAMIC FILM	1MF 100MF 0.1MF 27PF 0.1MF	20% 20% 5% 5% 5%	50V 25V 50V 50V
C214 C221 C222 C223 C224	1-101-004-00 1-124-902-00 1-124-464-11 1-102-959-00 1-101-888-00	ELECT ELECT CERAMIC	0.01MF 0.47MF 0.22MF 22PF 68PF	20% 20% 5% 5%	50V 50V 50V 50V 50V	C423 C424 C425 C426 C427	1-123-875-11 1-136-165-00 1-101-361-00 1-101-890-00 1-124-120-11	CERAMIC CERAMIC	10MF 0.1MF 150PF 75PF 220MF	20% 5% 5% 5% 20%	50V 50V 50V 50V 25V
C230 C240 C241 C242 C243	1-124-120-11 1-101-004-00 1-124-120-11 1-124-478-11 1-124-120-11	ELECT ELECT	220MF 0.01MF 220MF 100MF 220MF	20% 20% 20% 20%	25V 50V 25V 25V 25V	C428 C429 C430 C431 C432	1-101-004-00 1-101-884-00	ELECT ELECT CERAMIC CERAMIC CERAMIC	47MF 47MF 0.01MF 56PF 0.01MF	20% 20% 5%	25V 25V 50V 50V
C245 C246 C247 C248 C250	1-101-004-00 1-123-875-11 1-101-004-00 1-102-125-00 1-161-021-11	CERAMIC ELECT CERAMIC CERAMIC CERAMIC	0.01MF 10MF 0.01MF 0.0047MF 0.047MF	20% 10% 10%	50V 50V 50V 50V 25V	C433 C434 C435 C441 C442		ELECT CERAMIC CERAMIC CERAMIC CERAMIC	100MF 56PF 56PF 22PF 0.047MF	20% 5% 5% 5% 10%	25V 50V 50V 50V 25V
C251 C252 C253 C254 C255	1-102-125-00 1-102-125-00 1-102-125-00 1-102-125-00 1-101-004-00	CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC	0.0047MF 0.0047MF 0.0047MF 0.0047MF 0.01MF	10% 10% 10% 10%	50V 50V 50V 50V	 CFM201	<u>FIL</u> 7	TER BLOCK FILTER BLOCK	, COM (CFB-2	· ?)	
C265 C266 C267 C268 C269	1-102-978-00 1-101-003-00 1-124-478-11 1-101-003-00 1-102-978-00	CERAMIC CERAMIC ELECT CERAMIC CERAMIC	220PF 0.0047MF 100MF 0.0047MF 220PF	5% 20% 5%	50V 50V 25V 50V		MODU 1-236-366-11 1-236-365-11	MODULE, TRAP			
C271 C272 C273	1-101-004-00 1-101-002-00 1-101-002-00	CERAMIC CERAMIC CERAMIC	0.01MF 0.0022MF 0.0022MF		50V 50V 50V	D210	<u>DIO</u> 8-719-911-19	-			

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Ref.No.	Part No.	Description		Remark	Ref.No.	Part No.	Description				Remark
D212 D240 D280	8-719-911-19 8-719-911-19 8-719-110-16 8-719-911-19 8-719-911-19	DIODE 1SS119 DIODE 1SS119 DIODE RD10ES-B1 DIODE 1SS119 DIODE 1SS119	·		Q280 Q401 Q402 Q403 Q404	8-729-900-89 8-729-178-54 8-729-178-54 8-729-178-54 8-729-178-54	TRANSISTOR D TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SC2785 SC2785 SC2785			
D402	8-719-911-19	DIODE 1SS119			Q405 Q406 Q407	8-729-900-63 8-729-178-54 8-729-178-54	TRANSISTOR D TRANSISTOR 2 TRANSISTOR 2	SC2785			·
		AY LINE			Q408 Q409	8-729-178-54 8-729-178-54	TRANSISTOR 2 TRANSISTOR 2	SC2785			
DL 230		DELAY LINE, Y			Q410 Q411	8-729-178-54 8-729-117-54	TRANSISTOR 2 TRANSISTOR 2				
	<u>IC</u>										
IC201 IC210 IC250	8-749-920-73 8-759-800-81 8-759-240-53 8-759-800-81 8-759-208-14	IC BX7595 IC LA7016 IC TC4053BP IC LA7016 IC TC4066BPHB			JW95 R201 R202 R203	RES 1-249-411-11 1-249-435-11 1-249-435-11 1-249-405-11	CARBON CARBON CARBON CARBON CARBON	330 33K 33K 100	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W	
IC261 IC401	8-759-208-14 8-751-750-00	IC TC4066BPHB IC CX175			R204	1-249-421-11		2.2K	5%	1/4W	
	<u>COI</u> 1-410-509-11		10UH		R205 R206 R207 R210 R211	1-249-433-11 1-249-432-11 1-249-409-11 1-249-437-11 1-249-437-11	CARBON CARBON CARBON CARBON CARBON	22K 18K 220 47K 47K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
L280 L282 L401 L402 L403	1-410-303-11 1-410-470-11 1-410-087-31 1-408-411-00 1-404-496-00	INDUCTOR INDUCTOR INDUCTOR COIL	100H 10MMH 15UH		R212 R213 R214 R215	1-249-437-11 1-249-429-11 1-249-433-11 1-249-437-11	CARBON CARBON CARBON CARBON	47K 10K 22K 47K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W	
L404 L405	1-408-411-00 1-404-496-00	INDUCTOR COIL INDUCTOR	15UH 10UH		R216 R217	1-249-429-11 1-249-429-11	CARBON	10K 10K	5% 5%	1/4W	
L406 L408	1-410-470-11 1-410-336-11	INDUCTOR	220UH		R218 R219 R220	1-249-425-11 1-249-405-11 1-249-428-11	CARBON CARBON CARBON	4.7K 100 8.2K	5% 5% 5%	1/4W 1/4W 1/4W	
	MOD				R221 	1-249-423-11	CARBON	3.3K	5%	1/4W	
PCM290		MODULE, PHASE	PHM-1		R222 R224 R225 R226 R227	1-249-439-11 1-249-439-11 1-249-439-11 1-249-439-11 1-249-386-11	CARBON CARBON CARBON CARBON CARBON	68K 68K 68K 68K 2.7	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	F
Q201 Q210 Q211 Q212 Q213	8-729-178-54 8-729-178-54 8-729-117-54 8-729-900-89 8-729-900-89	TRANSISTOR 2SC TRANSISTOR 2SC TRANSISTOR 2SA TRANSISTOR DTC TRANSISTOR DTC	2785 1175 144ES		R228 R229 R230 R231 R231	1-249-433-11 1-249-433-11 1-249-429-11 1-249-422-11 1-249-415-11	CARBON CARBON CARBON CARBON	22K 22K 10K 2.7K 680	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
Q214 Q221 Q222 Q230 Q231	8-729-900-89 8-729-900-63 8-729-178-54 8-729-178-54	TRANSISTOR 2SC TRANSISTOR DTC TRANSISTOR DTA TRANSISTOR 2SC TRANSISTOR 2SC	144ES 124ES 2785 · 2785		R233 R234 R235 R236 R237	1-249-415-11 1-249-411-11 1-249-416-11 1-249-411-11 1-249-411-11	CARBON CARBON CARBON	680 330 820 330 330	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
Q232 Q233 Q234 Q240 Q241	8-729-178-54 8-729-117-54 8-729-178-54 8-729-177-42 8-729-178-54	TRANSISTOR 2SC TRANSISTOR 2SA TRANSISTOR 2SC TRANSISTOR 2SD TRANSISTOR 2SC	1175 2785 774-3 2785	٠	R238 R239 R240 R241 R241	1-249-405-11 1-249-417-11 1-249-407-11 1-247-895-00 1-249-421-11	CARBON CARBON CARBON	100 1K 150 470K 2.2K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
Q242 Q243 Q258 Q259 Q260	8-729-178-54 8-729-178-54 8-729-178-54 8-729-178-54 8-729-900-89	TRANSISTOR 2SC TRANSISTOR 2SC TRANSISTOR 2SC TRANSISTOR 2SC TRANSISTOR DTC	2785 2785 2785 144ES		R243 R244 R245 R246 R247	1-249-435-11 1-249-435-11 1-249-422-11 1-249-435-11 1-249-435-11	CARBON CARBON CARBON	33K 33K 2.7K 33K 33K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
Q261 Q262 Q263 Q264 Q265	8-729-178-54 8-729-178-54 8-729-178-54 8-729-117-54 8-729-178-54	TRANSISTOR 2SC TRANSISTOR 2SC TRANSISTOR 2SC TRANSISTOR 2SA TRANSISTOR 2SC	2785 2785 1175		R248 R249 R250 R251 R251	1-249-422-11 1-249-432-11 1-249-405-11 1-249-433-11 1-249-421-11	CARBON CARBON CARBON	2.7K 18K 100 22K 2.2K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	

The components identified by shading and mark A are critical for safety.

Replace only with part number specified.

Les composants identifies par une trame et une marque A une trame et une marque A sont critiques pour la securite.
Ne les remplacer que par une piece portant le numero specifie.



Ref.No.	Part No.	Description				Remark	Ref.No.	Part No.	Description			Remark	
R253 R254 R255 R256 R257	1-249-415-11 1-249-420-11 1-249-417-11 1-249-405-11 1-249-417-11	CARBON CARBON CARBON CARBON CARBON	680 1.8K 1K 100 1K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R430 R431 R432 R433 R435	1-249-408-11 1-249-411-11 1-249-422-11 1-249-437-11 1-249-433-11	CARBON CARBON CARBON CARBON CARBON	180 5% 330 5% 2.7K 5% 47K 5% 22K 5%	1/4W 1/4W 1/4W 1/4W 1/4W		
R258 R259 R260 R261 R262	1-249-405-11 1-249-441-11 1-249-425-11 1-247-891-00 1-249-435-11	CARBON CARBON CARBON CARBON CARBON	100 100K 4.7K 330K 33K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R436 R437 R438 R439 R440	1-249-437-11 1-249-437-11 1-249-437-11 1-249-426-11 1-249-437-11	CARBON CARBON CARBON CARBON CARBON	47K 5% 47K 5% 47K 5% 5.6K 5% 47K 5%	1/4W 1/4W 1/4W 1/4W 1/4W		
R263 R264 R268 R270 R271	1-249-422-11 1-249-422-11 1-249-417-11 1-249-417-11 1-249-417-11	CARBON CARBON CARBON CARBON CARBON	2.7K 2.7K 1K 1K 1K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R441 R442 R443 R444 R444	1-249-440-11 1-249-405-11 1-249-405-11 1-249-432-11 1-249-432-11	CARBON CARBON CARBON CARBON CARBON	82K 5% 100 5% 100 5% 18K 5% 18K 5%	1/4W 1/4W 1/4W 1/4W 1/4W		
R272 R273 R274 R275 R276	1-249-417-11 1-249-426-11 1-249-429-11 1-249-413-11 1-249-417-11	CARBON CARBON CARBON CARBON CARBON	1K 5.6K 10K 470 1K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R446 R447 R448 R449	1-249-437-11 1-249-437-11 1-249-435-11 1-249-417-11	CARBON CARBON CARBON CARBON	47K 5% 47K 5% 33K 5% 1K 5%	1/4W 1/4W 1/4W 1/4W		
R277	1-247-891-00	CARBON	3 30K	5%	1/4W		 	VAR	IABLE RESISTO	OR .			
R278 R279 R280 R281	1-247-891-00 1-249-429-11 1-249-429-11 1-249-429-11	CARBON CARBON CARBON CARBON	330K 10K 10K 10K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W		 RV290 RV291 RV292	1-228-994-00 1-228-991-00 1-228-991-00	RES, ADJ, CA	 ARBON 10K ARBON 2.2K			
R282 R283 R284 R285 R290	1-249-429-11 1-249-429-11 1-249-429-11 1-249-429-11 1-249-441-11	CARBON CARBON CARBON CARBON CARBON	10K 10K 10K 10K 10K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		SEP270	<u>MOD</u> 1-808-654 - 11	MODULE				
R291 R292 R293 R294 R295	1-249-413-11 1-249-435-11 1-249-435-11 1-249-405-11 1-249-405-11	CARBON CARBON CARBON CARBON CARBON	470 33K 33K 100 100	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		 T401 ******	TRA 1-404-584-11		*****	*****	*****	
R296 R297 R299 R401 R403	1-249-405-11 1-249-405-11 1-249-429-11 1-249-419-11 1-247-881-00	CARBON CARBON CARBON CARBON CARBON	100 100 10K 1.5K 120K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W			*A-1330-913-A \$1-526-819-11 *4-374-912-01	C BOARD, COM	URE TUBE	1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1		
R405 R406 R407 R408 R409	1-215-429-00 1-249-429-11 1-249-422-11 1-249-414-11 1-249-421-11	METAL CARBON CARBON CARBON CARBON	2.2K 10K 2.7K 560 2.2K	1% 5% 5% 5% 5%	1/6W 1/4W 1/4W 1/4W 1/4W		 C1	*1-508-768-00	NECTOR PIN, CONNECT	OR (5MM PIT			
R410 R411 R412 R413 R414	1-249-419-11 1-249-419-11 1-249-423-11 1-249-434-11 1-247-895-00	CARBON CARBON CARBON CARBON CARBON	1.5K 1.5K 3.3K 27K 470K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		C2 C3 	*1-506-371-00 *1-564-513-11 <u>CAP</u>	PLUG, CONNEC	TOR 10P	,		
R415 R416 R417 R418 R419	1-249-412-11 1-249-415-11 1-249-409-11 1-249-425-11 1-249-433-11	CARBON CARBON CARBON CARBON CARBON	390 680 220 4.7K 22K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		C701 C702 C703 C704 C705	1-102-115-00 1-102-115-00 1-102-115-00 1-102-121-00 1-123-875-11	CERAMIC CERAMIC CERAMIC	560PF 560PF 560PF 0.0022MF 10MF	10% 10% 10% 10% 20%	50V 50V 50V 50V 50V	
R420 R421 R422 R423 R424	1-215-431-00 1-249-419-11 1-249-419-11 1-249-421-11 1-249-429-11		2.7K 1.5K 1.5K 2.2K 10K	1% 5% 5% 5% 5%	1/6W 1/4W 1/4W 1/4W 1/4W		C706 C707 C708 C713 C714	1-102-074-00 1-162-116-00 1-129-714-51 1-108-704-11 1-102-116-00	CERAMIC CERAMIC FILM MYLAR CERAMIC	0.001MF 680PF 0.01MF 0.1MF 680PF	10% 10% 10% 10% 10%	50V 2KV 630V 200V 50V	
R425 R426 R427 R428	1-249-414-11 1-249-422-11 1-249-426-11 1-249-412-11		560 2.7K 5.6K 390	5% 5%	1/4W 1/4W 1/4W 1/4W		C715 C716 C718	1-102-116-00 1-102-116-00 1-162-115-00	CERAMIC CERAMIC CERAMIC	680PF 680PF 330PF	10% 10% 10%	50V 50V 2KV	
R429	1-249-425-11	CARBON	4.7K		1/4W		İ						





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F	Ref.No.	Part No.	Description				Remark	Ref.No.	Part No.	Description				Remark
	D7Ó1 D7O2 D7O3	<u>DIO</u> 8-719-911-19 8-719-911-19 8-719-911-19	DE DIODE 1SS119 DIODE 1SS119 DIODE 1SS119					R725 R731 R732 R733 R734	1-202-719-00 1-249-409-11 1-249-409-11 1-249-409-11 1-249-409-11	SOL ID CARBON CARBON CARBON CARBON	1M 220 220 220 220 220	10% 5% 5% 5% 5%	1/2W 1/4W 1/4W 1/4W 1/4W	F
	D704 D705 D706 D707	8-719-911-19 8-719-911-19 8-719-911-19 8-719-901-83	DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS83					R735 R736 R737 R738	1-249-409-11 1-249-409-11 1-249-405-11 1-249-405-11	CARBON CARBON CARBON	220 220 100 100	5% 5% 5%	1/4W 1/4W 1/4W 1/4W	F
	D708 D709 D713	8-719-901-83 8-719-901-83 8-719-901-83	DIODE 1SS83 DIODE 1SS83 DIODE 1SS83					R739 R740 R741 R742	1-249-405-11 1-249-429-11 1-249-429-11 1-249-429-11	CARBON	100 10K 10K 10K	5% 5% 5%	1/4W	F F
	D715 D716 D717	8-719-901-83 8-719-901-83 8-719-901-83	DIODE 1SS83 DIODE 1SS83 DIODE 1SS83					R743 R744 R745	1-249-441-11 1-249-429-11 1-249-429-11	CARBON CARBON CARBON	100K 10K 10K	5% 5%	1/4W 1/4W 1/4W	
		ENC	APSULATED COMP	PONENT				R746	1-215-879-51 1-247-725-11		47K 10K	5% 5%	1W 1/4W	F F
	FL702	1-236-058-11 1-236-058-11	ENCAPSULATED ENCAPSULATED	COMPON	ENT			R748 R749	1-247-713-11 1-215-902-11	CARBON METAL OXIDE	1K 47K	5% 5%	1/4W 2W	F
	FL703	1-236-058-11 TRA	ENCAPSULATED NSISTOR	COMPON	ENT			R750 R751 R752 R753	1-249-400-11 1-247-887-00 1-247-887-00 1-247-887-00	CARBON CARBON	39 220K 220K 220K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W	F
	Q701 Q702	8-729-178-54 8-729-178-54	TRANSISTOR 25		•		•		WAR	TABLE DECICE	20			
	Q703 Q704 Q705	8-729-178-54 8-729-200-17 8-729-200-17	TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25	SC2785 SA1091				I RV 708/€	1-230-641-21 .1-230-798-11	RES. ADJ. ME	TAL GLA	7F 90M		
	Q706	8-729-200-17	TRANSISTOR 25						1-230-641-21					
	Q707 Q708 Q709 Q710	8-729-326-11 8-729-326-11 8-729-326-11 8-729-200-17	TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25	SC2611 SC2611			÷	j	*********** *1-629-148-11		*****	****	*****	*****
	Q711 Q712	8-729-200-17 8-729-200-17	TRANSISTOR 25						CAD	MCITOD				
	0713 0714 0715	8-729-255-12 8-729-255-12 8-729-255-12	TRANSISTOR 25 TRANSISTOR 25	C2551 C2551					1-124-120-11 1-101-004-00		220MF 0.01MF		20%	25V 50V
	0716 0717	8-729-255-12	TRANSISTOR 25	C2551		v		C1702	1-102-978-00 1-102-978-00 1-124-499-11	CERAMIC CERAMIC	220PF 220PF 1MF		5% 5% 20%	50V 50V 50V
		RES	ISTOR					C1707	1-124-499-11 1-124-120-11	ELECT	1MF 220MF		20% 20%	50V 25V
	R704	1-215-480-00 1-215-408-00	METAL	300K 300	1%	1/6W		C1710 C1711	1-101-884-00 1-101-884-00	CERAMIC CERAMIC	56PF 56PF		5% 5%	50V 50V
	R705 R706 R707	1-249-410-11 1-249-410-11 1-249-420-11	CARBON CARBON CARBON	270 270 1.8K	5% 5% 5%	1/4W 1/4W 1/4W			DIO					
	R708 R709 R710 R711 R712	1-249-419-11 1-249-420-11 1-249-397-11 1-249-397-11 1-249-397-11	CARBON CARBON CARBON CARBON CARBON	1.5K 1.8K 22 22 22	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		D1701 D1702 D1703	8-719-911-19 8-719-936-56 8-719-936-56 8-719-936-56 8-719-936-56	DIODE 1SS119 DIODE DAN209 DIODE DAN209 DIODE DAN209 DIODE DAN209	S S			
	R715 R716 R717 R718	1-202-818-00 1-216-486-00 1-202-818-00 1-216-486-00	SOLID METAL OXIDE SOLID METAL OXIDE	1K 8.2K 1K 8.2K	10% 5% 10% 5%	1/2W 3W 1/2W 3W	F F	01707	8-719-933-28 8-719-933-28 8-719-911-19 8-719-911-19	DIODE DAP209 DIODE DAP209 DIODE 1SS119 DIODE 1SS119	S			
	R719	1-202-818-00	SOLID OVIDE	1K	10%	1/2W	_		TRA	NSISTOR				
	R720 R721 R722 R723 R724	1-216-486-00 1-216-372-11 1-202-848-00 1-202-838-00 1-202-842-11	METAL OXIDE METAL OXIDE SOLID SOLID SOLID	8.2K 1.8 680K 100K 220K	5% 10% 10%	3W 2W 1/2W 1/2W 1/2W	F F	01701 01702 01703	8-729-178-54 8-729-178-54 8-729-178-54 8-729-178-54 8-729-178-54	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SC2785 SC2785 SC2785			

The components identified by shading and mark A are critical for safety.
Replace only with part number specified.

Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

								V		Y	Вв
Ref.No.	Part No.	Description	•	Remark	Ref.No.	Part No.	Description	<u></u>		Remar	k
Q1705 Q1706	8-729-178-54 8-729-900-89	TRANSISTOR 2SC2785 TRANSISTOR DTC144ES			V2	*1-563-720-11	SOCKET, CO	NNECTOR (PC	BOARD)9P		·
Q1707	8-729-900-89 8-729-115-30	TRANSISTOR DTC144ES TRANSISTOR 25K105A-	S		*****	*****	******	*******	*****	******	**
	8-729-115-30	TRANSISTOR 25K105A-				*1-629-150-11	Y BOARD (P	VM-1342Q/1343	BMD ONLY)	
	8-729-178-54 8-729-178-54	TRANSISTOR 2SC2785 TRANSISTOR 2SC2785									
	DEC	SISTOR			1 01500		ACITOR	, 1MC	20%	EOV	
R1700	-	CARBON 5.6K	5% 1/4	W		1-124-499-11 1-102-125-00		1MF 0.0047MF	20% 10%	50V 50V	
R1701 R1702	1-249-413-11 1-249-413-11	CARBON 470 CARBON 470	5% 1/4 5% 1/4	W		<u>1C</u>					
R1703 R1704	1-249-413-11 1-249-413-11	CARBON 470 CARBON 470	5% 1/4 5% 1/4		IC1500	8-759-909-70	IC CX23025				
R1705	1-247-885-00	CARBON 180K	5% 1/4			T0.4	NCTOTOR				
R1706 R1707	1-249-437-11 1-247-883-00 1-249-437-11	CARBON 47K CARBON 150K CARBON 47K	5% 1/4 5% 1/4 5% 1/4	W	01500	8-729-178-54	NSISTOR	2502705			
R1708 R1709		CARBON 47K CARBON 10K	5% 1/4		Q1501	8-729-178-54 8-729-178-54 8-729-900-63	TRANSISTOR TRANSISTOR TRANSISTOR	2SC2785			
R1710 R1711	1-249-438-11 1-249-429-11	CARBON 56K CARBON 10K	5% 1/4 5% 1/4		1	0725-500-05	TRANSISTOR	DIAILALS			
R1712 R1713		CARBON 10K CARBON 10K	5% 1/4 5% 1/4		İ	RES	ISTOR				
R1714		CARBON 10K	5% 1/4		R1501	1-249-437-11 1-249-437-11	CARBON CARBON	47K 5% 47K 5%	1/4W 1/4W		
R1715 R1716	1-249-438-11	CARBON 10K CARBON 56K	5% 1/4 5% 1/4	W	R1503	1-249-437-11 1-249-429-11	CARBON CARBON	47K 5% 10K 5%	1/4W 1/4W		
R1718		CARBON 10K CARBON 10K	5% 1/4 5% 1/4	W	İ	1-249-437-11	CARBON	47K 5%	1/4W		
R1719	1-249-417-11	CARBON 1K CARBON 1OK	5% 1/4 5% 1/4		K1505	1-249-437-11	CARBON	47K 5%	1/4W		
R1721		CARBON 10K CARBON 10K	5% 1/4 5% 1/4	W		CON	NECTOR				
R1723	1-249-429-11	CARBON 10K CARBON 10K	5% 1/4 5% 1/4	W	Y1	*1-565-481-11	CONNECTOR,	BOARD TO BOA	ARD 5P		
R1725		CARBON 330K			*****	******	*****	******	*****	******	**
R1726 R1727	1-249-437-11	CARBON 330K CARBON 47K	5% 1/4	W		*A-1130-734-A	BB BOARD,	COMPLETE (PVN ******	1-1341 0	NLY)	
R1728 R1729	1-249-437-11 1-249-405-11	CARBON 47K CARBON 100	5% 1/4 5% 1/4								
	1-249-405-11		5% 1/4			******	NECTOR	BOARD TO BO	100 150		
R1732	1-249-417-11 1-249-417-11 1-249-409-11	CARBON 1K	5% 1/4 5% 1/4 5% 1/4	W	BB1	*1-565-491-11 *1-565-491-11	CONNECTOR,	BOARD TO BOA	ARD 15P		
	1-249-409-11		5% 1/4			FIL	.TER				
R1750	1-249-423-11	CARBON 3.3K	5% 1/4	W	BPF243	3 1-236-363-11		ND PASS			
	VAR	RIABLE RESISTOR									
		RES, ADJ, CARBON 2			0001		ACITOR		224		
RV170	2 1-228-995-00	RES, ADJ, CARBON 2 RES, ADJ, CARBON 2	2K		C201 C207	1-124-120-11	ELECT	220MF 47MF	20% 20%	25V 25V	
	3 1-228-995-00 4 1-230-682-21				C208 C210 C211	1-124-477-11 1-124-477-11 1-124-477-11	ELECT	47MF 47MF 47MF	20% 20% 20%	25V 25V 25V	
	5 1-228-999-00 6 1-228-999-00				C223	1-102-959-00		47MF 22PF	5%	50V	
RV 170	7 1-230-682-21		M		C224 C230	1-101-888-00 1-124-120-11	CERAMIC	68PF 220MF	5% 20%	50V 25V	
RV 170	9 1-228-995-00	RES, ADJ, CARBON 22	2K		C240 C241	1-101-004-00 1-124-120-11	CERAMIC	0.01MF 220MF	20%	50V 25V	
RV171	0 1-228-995-00	RES, ADJ, CARBON 22	2K		C242	1-124-478-11		100MF	20%	25V	
	CON	NNECTOR			C243 C245		CERAMIC	220MF 0.01MF	20%	25V 50V	
٧1	*1-563-720-11	SOCKET, CONNECTOR	(PC BOARD)9	Р	C246	1-123-875-11 1-102-125-00		10MF 0.0047MF	20% 10%	50V 50V	





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The components identified by shading and mark \(\bar{A} \) are critical for safety.

Replace only with part number specified.

							armanan-suaamaanggaas, q			
Ref. No. Part No.	Description			Remark	Ref.No.	Part No.	Description			Remark
C249 1-124-478-11 C255 1-101-004-00 C265 1-102-978-00 C266 1-101-003-00 C267 1-124-478-11	CERAMIC CERAMIC CERAMIC	100MF 0.01MF 220PF 0.0047MF 100MF	20% 5% 20%	25V 50V 50V 50V 25V	R233 R234 R235 R236 R237	1-249-415-11 1-249-411-11 1-249-415-11 1-249-411-11 1-249-411-11	CARBON CARBON CARBON	680 5% 330 5% 680 5% 330 5% 330 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
C272 1-101-002-00 C273 1-101-002-00 C291 1-101-004-00 C292 1-101-004-00	CERAMIC CERAMIC	0.0022MF 0.0022MF 0.01MF 0.01MF		50V 50V 50V 50V	R238 R239 R240 R241 R242	1-249-405-11 1-249-417-11 1-249-407-11 1-247-895-00 1-249-421-11	CARBON CARBON CARBON	100 5% 1K 5% 150 5% 470K 5% 2.2K 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
FI	LTER BLOCK				R243	1-249-435-11		33K 5%	1/4W	
CFM201 1-464-880-11	FILTER BLOCK	C, COM (CFB-2	2)		R244 R245 R250 R254	1-249-435-11 1-249-422-11 1-249-405-11 1-249-421-11	CARBON CARBON	33K 5% 2.7K 5% 100 5% 2.2K 5%	1/4W 1/4W 1/4W 1/4W	
					R255	1-249-417-11		1K 5%	1/4W	
	DIODE RD10ES	5-B1			R256 R268 R270 R271	1-249-405-11 1-249-417-11 1-249-417-11 1-249-417-11	CARBON CARBON	100 5% 1K 5% 1K 5% 1K 5%	1/4W 1/4W 1/4W 1/4W	
DL230 1-415-632-11	DELAY LINE	Υ			R272	1-249-417-11	CAPRON		1/4W	
10					R273 R274 R294 R295	1-249-426-11 1-249-429-11 1-249-405-11 1-249-405-11	CARBON CARBON CARBON	1K 5% 5.6K 5% 10K 5% 100 5% 100 5%	1/4W 1/4W 1/4W 1/4W	
IC210 8-759-240-53	10 10405362									
MC	DULE				1	VAR	IABLE RESISTO	R		
PCM290 1-808-628-11	MODULE DHAS	SF PHM_1			RV292	1-228-991-00	RES, ADJ, CA	RBON 2.2K		
10/1250 1-000-020-11	. HODOLE, THAT	DE TIME			*****	*****	*****	*****	*****	*****
TF	ANSISTOR					*A-1245-446-A	F BOARD, COM	PLETE (PVM-1	341/134	2Q ONLY)
Q214 8-729-178-54	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SC2785				*A-1245-455-A	*********** F BOARD, COM ******	PLETE (PVM-1	1343MD 0	NLY)
Q231 8-729-178-54 Q232 8-729-178-54	TRANSISTOR 2	2SC2785 2SC2785				*4-341-751-01 *4-341-752-01 4-363-414-00	EYELET			•
Q233 8-729-117-54 Q234 8-729-178-54 Q240 8-729-177-42 Q241 8-729-178-54 Q262 8-729-178-54	TRANSISTOR 2	2SC2785 2SD774-3 2SC2785				.1-161-830-51	ACITOR CERAMIC 18	.0.0047MF		500V
Q263 8-729-178-54 Q264 8-729-117-54	TRANSISTOR 2				C604 A C605 A	.1-161-830-51 .1-161-830-51 .1-161-830-51 1-125-222-41	CERAMIC 4	0.0047MF 0.0047MF 0.0047MF 330MF	8 900	500V 500V 500V 400V
RE	SISTOR				 C607 <u>}</u> \	.1-136-360-51	FILM	0.22MF	20%	250V
R201 1-249-435-11 R202 1-249-435-11 R203 1-249-405-11	. CARBON . CARBON	33K 5% 33K 5% 100 5%	1/4W 1/4W 1/4W			.1-136-360-51 .1-136-360-51 1-102-973-00 1-161-754-00	FILM FILM FATERS CERAMIC CERAMIC	0.22MF 0.22MF 100PF 0.001MF	20% 20% 5% 10%	250V 250V 50V 3KV
R204 1-249-421-11 R218 1-249-425-11		2.2K 5% 4.7K 5%	1/4W 1/4W		C613	1-123-946-00	ELECT	4.7MF	20%	250V
R219 1-249-405-11	CARBON	100 5%	1/4W		C614 C615	1-136-067-00 1-129-765-00	FILM FILM	0.0036MF 0.047MF	3% 10%	2K V 200V
R220 1-249-428-11 R221 1-249-423-11		8.2K 5% 3.3K 5%	1/4W 1/4W		C616	1-123-929-91 1-124-902-00	ELECT ELECT	1MF 0.47MF	20% 20%	160V 50V
R224 1-249-439-11	CARBON	68K 5% 68K 5%	1/4W 1/4W		C618	1-162-318-11	CERAMIC			
R225 1-249-439-11					C619	1-123-875-11	ELECT	0.001MF 10MF	10% 20%	500V 50V
R226 1-249-439-11 R227 1-249-386-11	CARBON	68K 5% 2.7 5%	1/4W 1/4W	F	C620 C621	1-124-446-11 1-130-475-00	ELECT FILM	47MF 0.0022MF	20% 5%	10V 50V
R228 1-249-433-11 R229 1-249-433-11		22K 5% 22K 5%	1/4W 1/4W		C622	1-104-067-00	POLYSTYRENE	390PF	5%	50V
R230 1-249-429-11		10K 5%	1/4W		C623	1-126-233-11 1-162-318-11	ELECT CERAMIC	22MF 0.001MF	20% 10%	25 V 500 V
R231 1-249-422-11 R232 1-249-415-11		2.7K 5% 680 5%	1/4W 1/4W		C625	1-124-463-00	ELECT	0.1MF	20%	50V

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Ref No	Part No.	Description			Remark	IPof No	Part No.	Description				Damarak
			22005	1.04								Remark
C626 C627 C631 C633 C651	1-161-973-00 1-136-066-00 1-162-116-00 1-162-131-11 1-125-294-11	FILM CERAMIC CERAMIC ELECT(BLOCK)	220PF 0.003MF 680PF 220PF 560MF	10% 3% 10% 10% 20%	400V 2KV 2KV 2KV 160V	 	8-759-927-49 <u>COI</u>	<u>L</u>				
C654 C656 C657 C658 C659	1-102-030-00 1-102-030-00 1-161-973-00 1-124-499-11 1-108-614-11	CERAMIC CERAMIC CERAMIC ELECT MYLAR	330PF 330PF 220PF 1MF 0.001MF	10% 10% 10% 20% 10%	500V 500V 400V 50V 100V	L621 L622 L623 L624 <u>A</u> L625 <u>A</u>	1-407-365-00 1-408-226-00 1-410-397-21 1-410-396-31 1-410-396-31	INDUCTOR FERRITE BEAD FERRITE BEAD	INDUCT	OR OR		1.00
. C660 Æ	.1-162-578-51	CERAMIC	0.0047MF (PVM	20% -1341/13	400V 1420 ONLY)	L626 L627	1-459-946-11 1-459-946-11	COIL, NOISE	FILTER FILTER			
	1 162 577 51	W/FE	0.0022MF	(PVM-134	I3MD ONLY)		TRA	NSISTOR				
COMPRESSION OF THE PARTY OF THE	.1-162-578-51	LEKAMIL	0.0047MF (PVM	-1341/13	400V 342Q ONLY)	Q611	8-729-119-80	TRANSISTOR 2	SC2688-	LK		
C671	1-162-577-51	45	470MF	20%	16V	Q612 Q613 Q614 Q615	8-729-119-80 8-729-802-14 8-729-119-80 8-729-178-54	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	SC3460 SC2688-			
C674 C675	1-124-448-51 1-162-116-00	CERAMIC	1000MF 680PF	20% 10%	35 V 2 K V	Q617	8-729-178-54	TRANSISTOR 2	SC2785			
C676	1-102-973-00	CERAMIC	100PF	5%	50V	! 	RES	ISTOR				
	DIO	DE				R601	1-205-712-00 .1-214-947-21		3.9 2.7M	5%	20W	di abilita a samo mengali.
D601 A D605 D606 D607	8-719-503-06 8-719-911-19 8-719-911-19 8-719-110-90	DIODE S3WB60 DIODE 1SS119 DIODE 1SS119 DIODE RD39ES		eganir eranne Arazzanda ak	egym y bry artifiprogramginus general grow was a word, and	R603 <u>A</u> R604 <u>A</u>		CARBON CARBON	100K 100K 1.2M		1/2W 1/4W 1/4W 1/2W	
D608	8-719-110-90	DIODE RD39ES				R606 R610	1-249-423-11 1-249-405-11	CARBON CARBON	3.3K 100	5% 5%	1/4W	
D611 D612 D613 D614	8-719-118-34 8-719-925-06 8-719-200-02 8-719-925-06	DIODE RD110E DIODE ERC25- DIODE 10E2 DIODE ERC25-	06S			R611 R612 R613	1-216-444-11 1-216-444-11 1-249-496-11	METAL OXIDE METAL OXIDE	82K 82K 100K	5% 5% 5% 5%	1/4W 1W 1W 1/2W	F F
D615 D616 D617 D619 D620	8-719-109-97 8-719-925-06 8-719-911-19 8-719-911-19 8-719-925-06	DIODE RD6.8E DIODE ERC25- DIODE 1SS119 DIODE 1SS119 DIODE ERC25-	06 S			R614 R615 R616 R617 R618	1-215-923-00 1-247-887-00 1-247-711-11 1-247-725-11 1-249-396-11	CARBON	10K 220K 680 10K 18	5% 5% 5% 5% 5%	3W 1/4W 1/4W 1/4W 1/4W	F
D622	8-719-100-74	DIODE RD16E-				R619 R620	1-247-710-11		560	5%	1/4W	F
D651 D652 D653 D654	8-719-300-33 8-719-200-02 8-719-300-76 8-719-911-19	DIODE RU3AM DIODE 10E2 DIODE RH-1A DIODE 1SS119				R621 R621 R622 R623	1-217-192-21 1-249-423-11 1-249-434-11 1-215-457-00	CARBON CARBON METAL	0.22 3.3K 27K 33K	10% 5% 5% 1%	2W 1/4W 1/4W 1/6W	F
D655	8-719-110-41	DIODE RD15ES	-B2			R624 R625 R626 R627	1-249-429-11 1-247-726-11 1-249-411-11 1-249-438-11	CARBON CARBON CARBON CARBON	10K 33K 330	5%	1/4W 1/4W 1/4W	
F1	*1-568-106-11	PIN, CONNECT	∩R 7P			R628	1-247-887-00	CARBON	56K . 220K	5% 5%	1/4W 1/4W	
F3 F4 F5	*1-508-765-00 *1-508-786-00 *1-508-788-00 *1-506-371-00	PIN, CONNECTO PIN, CONNECTO PIN, CONNECTO PIN, CONNECTO	OR (5MM PITO OR (5MM PITO OR (5MM PITO	CH) 2P	,	R629 R630 R631 R632 R633	1-249-428-11 1-249-436-11 1-249-424-11 1-247-753-11 1-249-441-11	CARBON CARBON CARBON CARBON CARBON	8.2K 39K 3.9K 1.2K 100K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/2W	F
F7	*1-568-106-11	PIN, CONNECTO	OR 7P			R634	1-249-417-11				1/4W	
	<u>FUS</u> .1-532-746-11	- FUSE, GLASS				R635 R636 R637 R640	1-249-417-11 1-205-928-11 1-205-927-11 1-216-465-11 1-249-438-11	CARBON WIREWOUND WIREWOUND METAL OXIDE CARBON	1K 180 2.2K 27K 56K	5% 10% 10% 5% 5%	1/4W 10W 10W 2W 1/4W	F
F602 <u>∧</u>	*1-533-189-11 ,1-532-775-21	FUSE, MICRO	(SECONDARY)	0.8A/12	5 V	R644 R648	1-247-885-00 1-247-887-00	CARBON CARBON	180K 220K	5% 5%	1/4W 1/4W	
	<u>IC</u>					R651 R652	1-246-523-75 1-215-924-00	CARBON METAL OXIDE	120K 15K	5% 5%	1/4W 3W	F
	8-759-100-75 8-719-939-00	IC UPC1394C DIODE PC111S				R653 R654	1-249-417-11	CARBON	1K 120K	5% 5%	1/4W 1/4W	

F

Qc

 The components identified by in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used. Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie. The components identified by shading and mark \triangle are critical for safety.

Replace only with part number specified.

GC	the value origin		aneu, repia	Ce Office With							
Ref.No. Part No.	Description			Remark	Ref.No.	Part No.	Description				Remark
R655 1-249-469-11 R656 1-247-895-00 R657 1-247-883-00 R658 1-247-289-11 R661 1-249-443-11	CARBON CARBON CARBON CARBON CARBON	100K 5% 470K 5% 150K 5% 8.2M 5% 0.47 5%	1/4W 1/4W 1W	F	IC101	<u>IC</u> 8-759-800-81	IC LA7016				
R665 1-215-427-00	METAL	1.8K 1%	1/6W		l .	TRA	NSISTOR				
R669 1-249-443-11 R671 1-215-412-00	CARBON METAL	0.47 5% 430 1%	1/6W		 Q122	8-729-178-54	TRANSISTOR	2SC2785			
R682 1-215-923-00 R688 1-249-427-11	METAL OXIDE CARBON	10K 5% 6.8K 5%		F							
≥ R690 A.	METAL	- pa ()	1/6W			RES	ISTOR				
R691 1-216-489-11 R692 1-202-719-00	METAL OXIDE SOLID	27K 5% 1M 10	3W	F	R101 R102 R103 R104	1-249-429-11 1-249-405-11 1-249-429-11 1-249-405-11	CARBON CARBON	10K 100 10K 100	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W	
VAR	IABLE RESISTO	R			R105	1-247-104-00	CARBON	75	5%	1/4W	
RV601 1-230-504-11 TRA	RES, ADJ, CA	RBON 220			R106 R107 R108 R109 R110	1-249-405-11 1-247-104-00 1-249-405-11 1-247-104-00 1-247-104-00	CARBON CARBON CARBON	100 75 100 75 75	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
T602 1-437-079-00	The second secon				j						
T603 Å.1-448-895-11 T604 Å.1-421-776-11 T605 Å 1-421-758-11	LFT	LINE FILT	ER (LFT)		R111 R112 R113 R114 R115	1-249-429-11 1-249-405-11 1-249-429-11 1-247-104-00 1-249-405-11	CARBON CARBON CARBON	10K 100 10K 75 100	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
THE	RMISTOR				R116	1-249-409-11	CARBON	220	5%	1/4W	
TH611 1-800-954-11 THP601A.1-808-081-11	THERMISTOR,	POSITIVE	*****	*****	R117 R118 R119	1-249-408-11 1-249-408-11 1-249-417-11 1-249-417-11	CARBON CARBON CARBON	180 180 1K 1K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W	
*A-1270-247-A					R122	1-215-393-00		68	1%	1/6W	
1-537-191-11 1-537-192-11 *4-379-104-01	TERMINAL BOA	RD, INPUT/ RD, INPUT/			R123 R125 R126 R127	1-249-417-11 1-249-405-11 1-249-433-11 1-249-433-11	CARBON CARBON	1K 100 22K 22K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W	
, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					R128	1-249-429-11 1-247-104-00	CARBON CARBON	10K 75	5% 5%	1/4W 1/4W	
	PACITOR				R130	1-247-104-00 1-247-104-00	CARBON CARBON	75 75	5% 5%	1/4W 1/4W	
C101 1-124-589-11 C102 1-126-160-11	ELECT	47MF 1MF	.20% 20%	16V 50V	R132	1-249-417-11		1K	5%	1/4W	
C103 1-126-160-11 C104 1-161-021-11 C105 1-126-160-11	CERAMIC ELECT	1MF 0.047MF 1MF	20% 10% 20%	50V 25V 50V	R133 R134 R220 R221	1-247-104-00 1-249-417-11 1-215-429-00 1-215-429-00	CARBON METAL METAL	75 1K 2.2K 2.2K	1%	1/4W 1/4W 1/6W 1/6W	
C106 1-126-160-11 C107 1-124-589-11	ELECT ELECT	1MF 47MF	20% 20%	50V 16V	R222	1-215-429-00	METAL	2.2K	1%	1/6W	
C108 1-124-589-11 C109 1-124-589-11 C110 1-124-589-11	ELECT ELECT ELECT	47MF 47MF 47MF	20% 20% 20%	16V 16V 16V	R254 R298	1-249-420-11 1-249-460-11		1.8K 15K	5% 5%	1/4W 1/4W	
C111 1-124-589-11 C112 1-124-589-11	ELECT ELECT	47MF 47MF	20% 20%	16V 16V		VAR	IABLE RESIST	OR			
C113 1-124-589-11 C114 1-126-160-11 C115 1-126-160-11		47MF 1MF 1MF	20% 20% 20%	16V 50V 50V	RV101 RV102	1-228-848-00 1-228-847-11	RES, VAR, C RES, VAR, C	ARBON 10 ARBON 10	K K		
C116 1-124-589-11	ELECT	47MF 10MF	20% 20%	16V		SWI	TCH				
C117 1-126-157-11 C118 1-126-157-11 C119 1-126-157-11 C120 1-124-589-11	ELECT ELECT ELECT ELECT	10MF 10MF 10MF 47MF	20% 20% 20% 20%	16V 16V 16V 16V	S101	1-570-145-11	SWITCH, SLI	DE			
C122 1-124-589-11 C123 1-124-589-11	EL ECT EL ECT	47MF 47MF	20% 20%	16V 16V							

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Ref.No. Part No.		Description			Remark	Ref.No.	Part No.	Description	1			Remark
*A-1270-24	48-A	QD BOARD, CO	MPLETE *****				TRA	NSISTOR				
	CAP	ACITOR				0101 0102	8-729-178-54 8-729-178-54	TRANSISTOR	2SC2785			
C121 1-126-094 C124 1-101-004 C125 1-124-47	4-00 7-11	CERAMIC ELECT	4.7MF 0.01MF 47MF	20%	25V 50V 16V	Q103 Q104 Q105	8-729-178-54 8-729-178-54 8-729-178-54	TRANSISTOR TRANSISTOR TRANSISTOR	2 SC 2785			
C126 1-124-589 C127 1-101-00		ELECT CERAMIC	47MF 0.01MF	20%	16V 50V	Q106 Q107 Q108	8-729-178-54 8-729-178-54 8-729-178-54	TRANSISTOR TRANSISTOR TRANSISTOR	2SC2785			
C128 1-124-589 C129 1-124-589 C130 1-124-580 C131 1-161-02	9-11 4-00 1-11	ELECT ELECT ELECT CERAMIC	47MF 47MF 100MF 0.047MF	20% 20% 20% 10%	16V 16V 10V 25V	Q109 Q110 Q111	8-729-178-54 8-729-900-36 8-729-900-89	TRANSISTOR TRANSISTOR TRANSISTOR	2SC2785 DTC124ES			
C132 1-102-96 C133 1-126-15		CERAMIC	33PF 10MF	5% 20%	50V 16V	Q112 Q113	8-729-178-54 8-729-178-54	TRANSISTOR TRANSISTOR	2SC2785 2SC2785			
C134 1-161-02 C135 1-108-63	1-11 0-91	CERAMIC MYLAR	0.047MF 0.022MF	10% 10%	25V 100V	Q114 Q115 	8-729-900-36 8-729-178-54	TRANSISTOR TRANSISTOR	2SC2785	•		
C136 1-101-00 C137 1-124-58		CERAMIC ELECT	0.01MF 47MF	20%	50V 16V	Q125 Q131 Q132	8-729-117-54 8-729-117-54 8-729-117-54	TRANSISTOR TRANSISTOR TRANSISTOR	2SA1175			
C138 1-124-589 C139 1-126-169	0-11	ELECT ELECT	47MF 1MF	20%	16 V 50 V	Q135	8-729-900-65	TRANSISTOR				
C140 1-124-58 C141 1-102-96 C142 1-102-96	5-00	ELECT CERAMIC CERAMIC	47MF 39PF 39PF	20% 5% 5%	16V 50V 50V		RES	ISTOR				
C143 1-102-96 C144 1-126-09 C145 1-161-02 C146 1-124-58	4-11 1-11 9-11	CERAMIC ELECT CERAMIC ELECT	39PF 4.7MF 0.047MF 47MF	5% 20% 10% 20%	50V 25V 25V 16V	R135 R136 R137 R138 R139	1-249-417-11 1-249-411-11 1-249-418-11 1-249-421-11 1-249-424-11	CARBON CARBON CARBON CARBON CARBON	1K 330 1.2K 2.2K 3.9K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
C147 1-124-58 C148 1-126-15		ELECT	47MF 10MF	20%	16V	R140	1-249-417-11	CARBON	1K	5%	1/4W	
C149 1-130-02 C150 1-130-48 C151 1-130-47 C172 1-101-00	2-61 3-00 1-00	FILM	0.0022MF 0.01MF 0.001MF 0.022MF	10% 5% 10%	16V 50V 50V 50V 50V	R141 R142 R143 R144	1-249-425-11 1-249-435-11 1-249-435-11 1-249-417-11	CARBON CARBON CARBON CARBON	4.7K 33K 33K 1K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W	
C173 1-136-16 C174 1-102-96			0.22MF 39PF	5% 5%	50 V 50 V	R145 R146 R147 R148 R149	1-249-411-11 1-249-417-11 1-249-411-11 1-249-429-11 1-249-425-11	CARBON CARBON CARBON CARBON	330 1K 330 10K	5% 5% 5%	1/4W 1/4W 1/4W 1/4W	
	DIO	DE				R150	1-249-423-11	CARBON	4.7K 1K	5% 5%	1/4W 1/4W	
	1-19 1-19 1-19	DIODE RD7.5E DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE RD5.1E	S-B2 S-B2			R151 R152 R153 R154	1-249-429-11 1-249-429-11 1-249-405-11 1-249-405-11	CARBON CARBON CARBON CARBON	10K 10K 100 100	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W	
D113 8-719-91	1-19	DIODE RD5.1E DIODE 1SS119 DIODE 1SS119				R155 R156 R157 R158 R159	1-249-433-11 1-249-433-11 1-249-430-11 1-249-417-11 1-247-706-11	CARBON CARBON CARBON CARBON CARBON	22K 22K 12K 1K 330	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
	<u>IC</u>					 R160 R161	1-247-706-11 1-247-706-11	CARBON CARBON	330 330	5% 5%	1/4W 1/4W	
IC102 8-759-90 IC103 8-759-90 IC104 8-759-90 IC105 8-759-90 IC106 8-759-80	1-38 1-36 0-11	IC SN74LS138 IC SN74LS136 IC SN74LS11N	N N			R162 R163 R164	1-249-426-11 1-249-421-11 1-249-421-11	CARBON CARBON CARBON	5.6K 2.2K 2.2K	5% 5% 5%	1/4W 1/4W 1/4W	
IC107 8-759-93	3-23	IC BA236				R165 R166 R167 R168 R169	1-249-425-11 1-249-425-11 1-247-721-11 1-249-421-11 1-249-433-11	CARBON CARBON CARBON CARBON CARBON	4.7K 4.7K 4.7K 2.2K 22K	5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
LP101 1-235-98		TER MODULE	5 10H BASS				1-249-437-11		47K	5%	1/4W	
(P101 1-235-96)	0-11		-, LUW PA33			R172 R173	1-247-725-11 1-249-405-11 1-247-716-11 1-249-432-11	CARBON	100 1.8K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W	

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	Ref.No.	Part No.	Description				Remark	Ref.No.	Part No.	Description				Remark
	R175 R176 R178 R179 R220	1-249-408-11 1-249-437-11 1-249-418-11 1-247-713-11 1-249-429-11	CARBON CARBON CARBON CARBON CARBON	180 47K 1.2K 1K 10K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		D114 D115	8-719-911-19 8-719-911-19	DIODE 1SS119 DIODE 1SS119				
	R221 R222 R223 R224 R225	1-249-437-11 1-249-437-11 1-249-417-11 1-249-429-11 1-249-425-11	CARBON CARBON CARBON CARBON CARBON	47K 47K 1K 10K 4.7K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W				IC LA7016 IC LA7016 IC LA7016 IC NJM2243S				
	R226	1-249-409-11	CARBON	220	5%	1/4W			TRA	NSISTOR				
	R231 R235 R236 R237	1-249-432-11 1-249-425-11 1-249-417-11 1-249-420-11	CARBON CARBON CARBON CARBON	18K 4.7K 1K 1.8K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W		Q116 Q117 Q118 Q119	8-729-178-54 8-729-178-54 8-729-117-54 8-729-900-36	TRANSISTOR 23 TRANSISTOR 23 TRANSISTOR 23 TRANSISTOR D	SC2785 SA1175			
	R241	1-249-408-11	CARBON	180 100	5% 5%	1/4W 1/4W		Q120	8-729-178-54	TRANSISTOR 2				
	R242 R244 R260 R261	1-249-405-11 1-249-405-11 1-249-433-11 1-249-433-11	CARBON CARBON CARBON CARBON	100 22K 22K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W		Q121 Q127	8-729-178-54 8-729-900-65	TRANSISTOR 2: TRANSISTOR D				
	R263 R299	1-249-405-11 1-249-420-11	CARBON CARBON	100 1.8K	5% 5%	1/4W 1/4W			CON	NECTOR				
	K299		RIABLE RESISTO			1/41			*1-564-515-11 *1-564-516-11					
	RV 103	1-228-995-00		_	2K			İ	RES	ISTOR				
			тсн					 R180 R181	1-249-405-11 1-249-412-11		100 390	5% 5%	1/4W 1/4W	
	\$102		SWITCH, SLID	E				R182 R183	1-249-417-11 1-249-436-11	CARBON CARBON	1K 39K	5% 5%	1/4W 1/4W	
		*****			****	*****	*****	R184	1-249-435-11	CARBON	33K	5%	1/4W	
		*A-1270-249-A	QE BOARD, CO					R185 R186 R187 R188 R188	1-249-405-11 1-249-433-11 1-249-433-11 1-249-405-11 1-249-433-11	CARBON CARBON CARBON CARBON CARBON	100 22K 22K 100 22K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
		CAF	PACITOR					R190	1-249-433-11	CARBON	22K	5%	1/4W	
	C152 C154 C155 C156 C157	1-101-004-00 1-123-875-11 1-124-499-11 1-124-499-11 1-126-160-11	CERAMIC ELECT ELECT ELECT ELECT	0.01MF 10MF 1MF 1MF 1MF		20% 20% 20% 20%	50V 50V 50V 50V 50V	R192 R193 R194 R195	1-249-437-11 1-249-429-11 1-249-433-11 1-249-433-11	CARBON CARBON CARBON	47K 10K 22K 22K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W	
	C158 C159 C160 C161 C162	1-124-477-11	ELECT. ELECT ELECT ELECT	47MF 1MF 1MF 47MF 47MF		20% 20% 20% 20% 20%	25V 50V 50V 16V 16V	R196 R197 R198 R199 R200	1-249-405-11 1-249-421-11 1-249-421-11 1-249-441-11 1-249-435-11	CARBON CARBON CARBON CARBON CARBON	100 2.2K 2.2K 100K 33K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
	C163 C164 C165 C166 C167	1-124-477-11 1-161-021-11 1-124-477-11 1-124-477-11 1-124-477-11	ELECT CERAMIC ELECT ELECT	47MF 0.047M 47MF 47MF 47MF	NF	20% 10% 20% 20% 20%	16V 25V 16V 16V 16V	R201 R202 R203 R204 R205	1-249-428-11 1-249-417-11 1-249-429-11 1-249-428-11 1-249-405-11	CARBON CARBON	8.2K 1K 10K 8.2K 100	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
	C168 C169 C170 C171	1-124-477-11 1-161-021-11 1-124-477-11 1-124-925-11	ELECT CERAMIC ELECT	47MF 0.047M 47MF 2.2MF	ΜF	20% 10% 20% 20%	16V 25V 25V 50V	R206 R207 R208 R209 R210	1-249-429-11 1-249-429-11 1-249-417-11 1-249-405-11 1-249-433-11	CARBON	10K 10K 1K 100 22K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
		DIO	ane.				•	R211 R212	1-249-433-11 1-249-433-11		22K 22K	5% 5%	1/4W 1/4W	
	D108 D109	8-719-911-19 8-719-911-19	DIODE 1SS119 DIODE 1SS119					R213 R215 R216	1-249-433-11 1-249-405-11 1-249-411-11	CARBON	22K 100 330	5% 5% 5%	1/4W 1/4W 1/4W 1/4W	
	D110 D111 D112	8-719-911-19 8-719-911-19 8-719-911-19						R217 R251 R252	1-249-433-11 1-249-417-11 1-249-417-11	CARBON	22K 1K 1K	5% 5% 5%	1/4W 1/4W 1/4W	

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Ref.No	. Part No.	Description				Remark	Ref.No.	Part No.	Description		L	Remark
R253 R265		CARBON	1K 680	5% 5%	1/4W 1/4W		C329 C330 C331	1-124-477-11 1-101-880-00 1-101-004-00	CERAMIC CERAMIC	47MF 47PF 0.01MF	20% 5%	25V 50V 50V
*****	******			****	*****	*****	C332	1-102-971-00 1-136-165-00		82PF 0.1MF	5% 5%	50V 50V
	*A-1296-520-A	A BOARD, COM					C334	1-136-173-00		0.47MF	5%	50V
	*4-329-153-00 *4-341-751-01 *4-341-752-01 *4-363-404-00	HEAT SINK, V EYELET EYELET HOLDER, IC	OUT				C335 C336 C337 C338	1-136-173-00 1-102-971-00 1-124-477-11 1-124-477-11	CERAMIC ELECT	0.47MF 82PF 47MF 47MF	5% 5% 20% 20%	50V 50V 25V 25V
	4-363-414-00	SPACER, MICA					C339 C340	1-124-477-11 1-124-477-11	ELECT	47MF 47MF	20% 20%	25V 25V
	CON	NECTOR					C341 C342	1-124-477-11 1-124-477-11	ELECT	47MF 47MF	20% 20%	25V 25V
A1	*1-508-768-00						C343	1-124-477-11		47MF	20%	25V
A2 A3 A4 A5	*1-560-123-00 *1-565-498-11 *1-564-596-11 *1-564-596-11	PLUG, CONNEC CONNECTOR, B PLUG, CONNEC PLUG, CONNEC	OARD TO TOR 15P				C344 C345 C346 C347 C348	1-124-477-11 1-102-949-00 1-126-233-11 1-123-875-11 1-101-004-00	CERAMIC ELECT ELECT	47MF 12PF 22MF 10MF 0.01MF	20% 5% 20% 20%	25V 50V 50V 50V 50V
A6 A7	*1-565-497-11 *1-565-498-11	CONNECTOR, B					C349	1-124-120-11		220MF	20%	257
A8 A9 A10	*1-565-506-11 *1-565-506-11 *1-564-596-11	CONNECTOR, B CONNECTOR, B PLUG, CONNEC	OARD TO OARD TO TOR 15P	BOARD BOARD	15P		C350 C351 C352 C353	1-101-884-00 1-102-106-00 1-102-125-00 1-161-021-11	CERAMIC CERAMIC CERAMIC	56PF 100PF 0.0047MF 0.047MF	5% 10% 10% 10%	50V 50V 50V 25V
A11 A13	*1-564-596-41 *1-568-105-11	PLUG, CONNEC	NECTOR	10P			C401	1-136-153-00		0.01MF	5% 5~	50V
A14 A16 A17	*1-568-105-11 *1-560-123-00 *1-565-496-11	HOUSING, CON PLUG, CONNEC CONNECTOR, B	TOR (2. OARD TO	5MM) 3 BOARD	5P		C402 C403 C404 C405	1-136-165-00 1-136-165-00 1-136-169-00 1-136-169-00	FILM FILM FILM	0.1MF 0.1MF 0.22MF 0.22MF	5% 5% 5% 5%	50V 50V 50V 50V
A18 A19	*1-564-038-00 *1-508-768-00	PIN, CONNECT	OR (5MM				C406	1-136-169-00		0.22MF	5%	50V
A20 A22	*1-564-507-11 *1-564-505-11	PLUG, CONNEC					C407 C408 C409 C410	1-124-464-11 1-124-464-11 1-124-464-11 1-124-499-11	ELECT ELECT	0.22MF 0.22MF 0.22MF 1MF	20% 20% 20% 20%	50V 50V 50V 50V
		ACITOR					C411	1-124-499-11		1MF	20%	50V
C300 C301 C302 C303 C304	1-123-875-11 1-124-477-11 1-101-884-00 1-136-173-00 1-101-884-00	ELECT CERAMIC FILM	10MF 47MF 56PF 0.47MF 56PF		20% 20% 5% 5% 5%	50V 25V 50V 50V 50V	C412 C413 C414 C415 C416	1-124-463-00 1-124-463-00 1-136-165-00 1-136-165-00 1-126-233-11	ELECT FILM FILM	0.1MF 0.1MF 0.1MF 0.1MF 22MF	20% 20% 5% 5% 20%	50V 50V 50V 50V 50V
C305 C306	1-136-173-00 1-102-125-00		0.47MF 0.0047		5% 10%	50V 50V	C417	1-136-161-00 1-136-153-00		0.047MF 0.01MF	5%	50V
C 308 C 308 C 309		ELECT	47MF 47MF 0.0047		20% 20% 20%	25 V 25 V 50 V		1-136-133-00 1-110-203-51 1-136-161-00 1-136-153-00	MYLAR	0.0047MF 0.047MF 0.01MF	5% 5% 5% 5%	50V 50V 50V 50V
C310 C311	1-102-125-00 1-102-125-00	CERAMIC CERAMIC	0.0047		10% 10%	50V 50V	C422 C423	1-110-203-51 1-136-153-00		0.0047MF 0.01MF	5% 5%	50V 50V
C312 C313 C314	1-123-875-11 1-102-074-00 1-102-074-00	ELECT CERAMIC CERAMIC	10MF 0.001M 0.001M	F	20% 10% 10%	50V 50V 50V	C424 C425 C426	1-110-203-51 1-124-478-11		0.0047MF 100MF 0.047MF	5% 20% 5%	50V 50V 25V 50V
C315 C316	1-124-927-11 1-136-161-00		4.7MF 0.047M		20% 5%	50 V 50 V	C427 C428	1-124-478-11 1-124-478-11	ELECT ELECT	100MF 100MF	20% 20%	25V 25V
C317 C318 C319	1-136-161-00 1-136-165-00 1-101-004-00		0.047M 0.1MF 0.01MF	F	5% 5%	50V 50V 50V	C430 C431 C470 C471	1-101-888-00 1-101-888-00 1-124-120-11	CERAMIC CERAMIC ELECT	68PF 68PF 220MF	5% 5% 20%	50V 50V 25V
C320 C321	1-124-499-11 1-124-477-11	ELECT ELECT	1MF 47MF		20% 20%	50V 25V	C471	1-124-120-11	CERAMIC	220MF 0.01MF	20%	25V 50V
C322 C323 C324	1-124-902-00 1-101-361-00 1-124-477-11	ELECT CERAMIC	0.47MF 150PF 47MF		20% 5% 20%	50V 50V 25V	C473 C474 C475 C476	1-124-478-11 1-101-004-00 1-101-004-00	ELECT CERAMIC CERAMIC	100MF 0.01MF 0.01MF 68PF	20%	25V 50V 50V 50V
C325	1-101-361-00 1-124-477-11		150PF 47MF		5% 20%	50V 25V	C476 C477	1-101-888-00	CERAMIC	0.047MF	5%	50V 50V
C326 C327 C328	1-124-477-11 1-124-477-11 1-124-009-11	ELECT ELECT	47MF 47MF 47MF		20% 20% 20%	25 V 25 V 25 V	C477 C478 C479 C480 C481	1-101-008-00 1-101-004-00 1-124-478-11 1-101-004-00 1-101-004-00	CERAMIC CERAMIC CERAMIC CERAMIC	0.01MF 100MF 0.01MF 0.01MF	20%	50V 50V 25V 50V 50V



Les composants identifies par une trame et une marque Δ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and mark A are critical for safety.
Replace only with part number specified.

_							\$20,000,000					
	Ref.No.	Part No.	Description			Remark	Ref.No.	Part No.	Description			Remark
	C482 C483 C484 C485 C486	1-124-478-11 1-124-120-11 1-101-004-00 1-124-478-11 1-101-004-00	ELECT ELECT CERAMIC ELECT CERAMIC	100MF 220MF 0.01MF 100MF 0.01MF	20% 20% 20%	25V 25V 50V 25V 50V	C549 C550 C551 C552 C553	1-123-875-11 1-102-244-00 1-124-360-00 1-124-499-11 1-108-626-11	ELECT CERAMIC ELECT ELECT MYLAR	10MF 220PF 1000MF 1MF 0.01MF	20% 10% 20% 20% 10%	50V 500V 16V 50V 100V
	C487 C488 C489 C491 C492	1-101-004-00 1-124-120-11 1-124-927-11 1-101-004-00 1-124-120-11	CERAMIC ELECT ELECT CERAMIC ELECT	0.01MF 220MF 4.7MF 0.01MF 220MF	20% 20% 20%	50V 25V 50V 50V 25V	C554 C555 C556 C557 C558	1-124-499-11 1-108-633-11 1-136-173-00 1-124-902-00 1-131-356-00	ELECT MYLAR FILM ELECT TANTALUM	1MF 0.039MF 0.47MF 0.47MF 3.3MF	20% 10% 5% 20% 10%	50V 100V 50V 50V 25V
	C493 C494 C495 C496 C497	1-101-004-00 1-124-120-11 1-101-880-00 1-124-478-11 1-124-120-11	CERAMIC ELECT CERAMIC ELECT ELECT	0.01MF 220MF 47PF 100MF 220MF	20% 5% 20% 20%	50V 25V 50V 25V 25V	C559 C560 C561 C562 C563	1-123-875-11 1-136-161-00 1-102-973-00 1-130-471-00 1-123-875-11	ELECT FILM CERAMIC FILM ELECT	10MF 0.047MF 100PF 0.001MF 10MF	20% 5% 5% 5% 20%	50V 50V 50V 50V 50V
	C498 C500 C501 C502 C503	1-124-925-11 1-101-884-00 1-124-120-11 1-124-927-11 1-124-927-11	ELECT CERAMIC ELECT ELECT ELECT	2.2MF 56PF 220MF 4.7MF 4.7MF	20% 5% 20% 20% 20%	50V 50V 25V 50V 50V	C564 C565 C566 C567 C568	1-102-978-00 1-124-478-11 1-124-499-11 1-123-875-11 1-108-614-11	CERAMIC ELECT ELECT ELECT MYLAR	220PF 100MF 1MF 10MF 0.001MF	5% 20% 20% 20% 10%	50V 25V 50V 50V 100V
	C 504 C 505 C 506 C 507 C 508	1-102-114-00 1-123-875-11 1-129-794-91 1-106-180-91 1-108-626-11	CERAMIC ELECT FILM MYLAR MYLAR	470PF 10MF 0.0033MF 0.0022MF 0.01MF	10% 20% 5% 5% 10%	50V 50V 100V 100V 100V	C569 C570 C571 C572 C573	1-130-736-11 1-123-875-11 1-126-233-11 1-124-499-11 1-123-875-11	FILM ELECT ELECT ELECT ELECT	0.01MF 10MF 22MF 1MF 10MF	5% 20% 20% 20% 20%	50V 50V 25V 50V 50V
	C509 C510 C511 C512 C513	1-108-630-91 1-108-626-11 1-124-902-00 1-102-030-00 1-136-334-51	MYLAR MYLAR ELECT CERAMIC FILM	0.022MF 0.01MF 0.47MF 330PF 0.033MF	10% 10% 20% 10% 5%	100V 100V 50V 500V 630V	C574 C575 C576 C577 C578	1-124-478-11 1-102-978-00 1-161-021-11 1-123-875-11 1-124-477-11	ELECT CERAMIC CERAMIC ELECT ELECT	100MF 220PF 0.047MF 10MF 47MF	20% 5% 10% 20% 20%	25V 50V 25V 50V 25V
	C515 ⚠	1-136-078-11 1-162-116-51 1-162-116-51 1-108-692-11 1-126-104-11	FILM CERAMIC CERAMIC MYLAR ELECT	0.0098MF 680PF 680PF 0.01MF 470MF		2KV 2KV 2KV 200V 35V	C579 C580 C581 C583 C584	1-124-477-11 1-124-499-11 1-124-478-11 1-126-233-11 1-126-233-11	ELECT ELECT ELECT ELECT ELECT	47MF 1MF 100MF 22MF 22MF	20% 20% 20% 20% 20%	25V 50V 25V 50V 50V
	C519 C520 C521 C522 C523	1-124-120-11 1-123-024-51 1-102-212-00 1-102-212-00 1-162-114-00	ELECT ELECT CERAMIC CERAMIC CERAMIC	220MF 33MF 820PF 820PF 0.0047MF	20% 10% 10%	25V 160V 500V 500V 2KV	C585 C590 C591 C801 C802 C803	1-102-110-00 1-126-233-11 1-124-925-11 1-101-004-00 1-101-361-00 1-102-976-00	CERAMIC ELECT ELECT CERAMIC CERAMIC	220PF 22MF 2.2MF 0.01MF 150PF	10% 20% 20% 5%	50V 50V 50V 50V
	C 524 C 525 C 526 C 527 C 528	1-108-700-11 1-108-634-11 1-124-477-11 1-124-902-00 1-124-902-00	MYLAR MYLAR ELECT ELECT ELECT	0.047MF 0.047MF 47MF 0.47MF 0.47MF	10% 10% 20% 20% 20%	200V 100V 25V 50V 50V	C804 C805 C806 C807	1-126-233-11 1-102-125-00 1-101-884-00 1-130-736-11 1-124-120-11	CERAMIC FILM	180PF 22MF 0.0047MF 56PF 0.01MF	5% 20% 10% 5% 5%	50V 50V 50V 50V
	C 529 C 530 C 531 C 532 C 533	1-126-233-11 1-123-875-11 1-131-351-00 1-123-948-00 1-136-111-00	ELECT ELECT TANTALUM ELECT FILM	22MF 10MF 4.7MF 22MF 1MF	20% 20% 10% ·20% 5%	50V 50V 35V 250V 200V	 C809 C810 C811 C1001	1-101-004-00 1-108-620-11 1-124-927-11 1-124-478-11	CERAMIC	220MF 0.01MF 0.0033MF 4.7MF 100MF	20% 10% 20% 20% 20%	50V 100V 50V 25V 50V
	C534 C535 C536 C537 C538	1-106-399-00 1-123-946-00 1-136-111-00 1-102-002-00 1-108-626-11	MYLAR ELECT FILM CERAMIC MYLAR	0.22MF 4.7MF 1MF 680PF 0.01MF	10% 20% 5% 10% 10%	200V 250V 200V 500V 100V	C1003 C1004 C1005 C1006	1-102-125-00 1-124-464-11 1-123-875-11 1-123-875-11	CERAMIC	0.0047MF 0.22MF 10MF 10MF 0.047MF	10% 20% 20% 20% 10%	50V 50V 50V 50V 100V
	C539 C540 C541 C542 C543	1-108-626-11 1-108-616-91 1-124-192-11 1-123-875-11 1-124-927-11	MYLAR MYLAR ELECT ELECT ELECT	0.01MF 0.0015MF 4.7MF 10MF 4.7MF	10% 10% 20% 20% 20%	100V 100V 50V 50V 50V	C1008 C1009 C1010 C1011	1-124-478-11 1-124-480-11 1-124-478-11 1-124-477-11 1-124-120-11	ELECT ELECT ELECT ELECT ELECT ELECT	100MF 470MF 100MF 47MF 220MF	20% 20% 20% 20%	25 V 25 V 25 V 25 V
	C 544 C 545 C 546 C 547 C 548	1-124-117-51 1-108-694-81 1-102-030-00 1-124-342-00 1-102-030-00	ELECT MYLAR CERAMIC ELECT CERAMIC	680MF 0.015MF 330PF 3.3MF 330PF	10% 10% 10% 20% 10%	25V 200V 500V 160V 500V		1-124-478-11	ELECT	100MF	20%	25V 25V

The components identified by shading and mark $\, \hat{\Delta} \,$ are critical for safety.

Replace only with part number specified.

Les composants identifies par une trame et une marque \(\frac{\Lambda}{\Delta} \) sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.



Ref.No. Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
DI	DDE			IC		
D303 8-719-911-19 D304 8-719-911-19 D305 8-719-911-19	DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119		IC302 IC303 IC304	8-759-710-31	ACC BLOCK ACC-1 IC NJM2243S CONTROL MODULE, PICTURE	
	DIODE 1SS119 DIODE 1SS119 DIODE 1SS119		IC307 IC308 IC309 IC311	8-759-420-08 1-808-629-11 1-808-626-11 8-759-240-52 8-759-800-81 8-759-800-81	MODULE, BLUE ONLY BOM-1 MODULE, GAIN/BIAS GBM-1 IC TC4052BP IC LA7016	
D400 8-719-121-40 D401 8-719-911-19 D402 8-719-120-27 D403 8-719-109-93	DIODE RD10ES-L3 DIODE 1SS119 DIODE RD4.3ES-L2 DIODE RD6.2ES-B2		IC401 IC501 IC502 IC503	8-752-030-31 8-759-100-60 8-759-145-58 8-749-920-74	IC CXA1024S IC UPC1377C IC UPC4558C IC BX7574	
D502 8-719-971-20 D503 8-719-971-20	DIODE 1SS119 DIODE 1SS119 DIODE ERC38-06 DIODE ERC38-06		IC 505	8-759-345-38 8-759-700-06 8-759-420-04	IC NJM7812B IC AN5265	
D505 8-719-901-58 D506 8-719-901-19 D507 8-719-305-15 D508 8-719-928-08	DIODE V11N DIODE GH3F		L300 L301 L302 L303 L304 L306	1-410-470-11 1-410-470-11 1-410-470-11 1-410-471-11 1-410-467-21 1-410-470-11	INDUCTOR 10UH INDUCTOR 10UH INDUCTOR 12UH INDUCTOR 5.6UH	
D510 8-719-190-00 D511 8-719-200-02 D512 8-719-200-02 D513 8-719-911-19 D514 8-719-300-76	DIODE 10E2 DIODE 10E2		L307 L495 L501 L502 L503	1-410-467-21 1-421-013-00 1-459-155-00 1-410-671-31 1-410-666-31	COIL, (HOLIZONTAL CHOKE) COIL (WITH CORE) 45UH INDUCTOR 47UH	250Н
D515 8-719-300-76 D516 8-719-200-02 D517 8-719-911-19 D518 8-719-200-02 D519 8-719-911-19	DIODE 1SS119 DIODE 10E2		L504 L505 L506 L507 L508 A	1-407-365-00 1-407-365-00 1-408-238-00 1-459-155-00 .1-459-496-12	COIL, CHOKE	
0520 8-719-911-19 0521 8-719-911-19 0522 8-719-911-19 0523 8-719-911-19 0524 8-719-911-19	DIODE 1SS119 DIODE 1SS119 DIODE 1SS119		L509 L510 L511 L512 L513	1-459-075-00		СНОКЕ
D527 8-719-911-19	DIODE 1SS119 DIODE 1SS119		L514 L515 L801 L802	1-410-686-11 1-408-564-11 1-410-470-11 1-410-089-21	INDUCTOR 12UH INDUCTOR 10UH	
D531 8-719-911-19 D801 8-719-911-19 D802 8-719-911-19 D1001 8-719-911-19 D1002 8-719-911-19	DIODE 1SS119 DIODE 1SS119 DIODE 1SS119		NL 501	1-519-237-13		,
D1003 8-719-911-19 D1010 8-719-120-64 D1011 8-719-110-08 D1012 8-719-911-55 D1013 8-719-110-37	DIODE RD5.6ES-L1 DIODE RD8.2ES-B2 DIODE UO5G		Q300 Q301 Q302 Q303 Q304	8-729-117-54 8-729-178-54 8-729-178-54 8-729-178-54	NSISTOR TRANSISTOR 2SA1175 TRANSISTOR 2SC2785 TRANSISTOR 2SC2785 TRANSISTOR 2SC2785 TRANSISTOR 2SC2785 TRANSISTOR 2SC2785	
D1014 8-719-936-56 DE DL 301 1-415-633-11	LAY LINE		Q305 Q306 Q307 Q308 Q309	8-729-178-54 8-729-178-54 8-729-117-54 8-729-178-54	TRANSISTOR 2SC2785 TRANSISTOR 2SC2785	



Garding Gard	Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	1			Remark
1.00 1.00	0311 0312 0313	8-729-900-89 8-729-178-54 8-729-178-54	TRANSISTOR 2SC2785 TRANSISTOR DTC144ES TRANSISTOR 2SC2785 TRANSISTOR 2SC2785 TRANSISTOR DTA144ES		0521 0522 0523	8-729-178-54 8-729-178-54 8-729-900-36	TRANSISTOR TRANSISTOR TRANSISTOR	2SC2785 2SC2785 DTC124ES			i
Q25 8-729-178-54 TRANSISTOR 2502785 Q551 8-729-178-54 TRANSISTOR 2502785 Q502 8-729-178-54 TRANSISTOR 2502785 Q501 8-729-178-54 TRANSISTOR 2502785 Q502 8-729-178-54 TRANSISTOR 2502785 Q502 8-729-178-54 TRANSISTOR 2502785 Q502 8-729-178-54 TRANSISTOR 2502785 Q503 R603	0316 0317 0318	8-729-900-89 8-729-900-89 8-729-178-54	TRANSISTOR DTC144ES TRANSISTOR DTC144ES TRANSISTOR 2SC2785 TRANSISTOR 2SC2785		Q526 Q528 Q529	8-729-117-54 8-729-178-54 8-729-178-54	TRANSISTOR TRANSISTOR TRANSISTOR	2SA1175 2SC2785 2SC2785			
Q330 8-729-117-54 TRANSISTOR 25C2785 Q805 8-729-117-54 TRANSISTOR DTC124ES	Q321 Q322 Q323	8-729-117-54 8-729-900-89 8-729-900-89			Q532 Q533 Q534	8-729-117-54 8-729-117-54 8-729-117-54	TRANSISTOR TRANSISTOR TRANSISTOR	2SA1175 2SA1175 2SA1175			
Q330 8-729-117-54 TRANSISTOR 25C2785 Q805 8-729-117-54 TRANSISTOR DTC124ES	Q326 Q327 Q328	8-729-178-54 8-729-178-54 8-729-117-54	TRANSISTOR 2SC2785 TRANSISTOR 2SC2785 TRANSISTOR 2SC2785 TRANSISTOR 2SA1175 TRANSISTOR 2SC2785		0801 0802 0803	8-729-178-54 8-729-117-54 8-729-178-54	TRANSISTOR TRANSISTOR TRANSISTOR	2 SC 2785 2 SA 1175 2 SC 2785			
Q401	Q331 Q332 Q333	8-729-117-54 8-729-178-54 8-729-178-54	TRANSISTOR 2SC2785 TRANSISTOR 2SA1175 TRANSISTOR 2SC2785 TRANSISTOR 2SC2785 TRANSISTOR 2SA1175		Q806 Q807 Q1001 Q1002	8-729-900-36 8-729-178-54 8-729-117-54	TRANSISTOR TRANSISTOR TRANSISTOR	DTC124ES 2SC2785 2SA1175			
Q402 8-729-100-36 TRANSISTOR DTC124ES R300 1-249-405-11 CARBON 100 5% 1/4W Q404 8-729-1178-54 TRANSISTOR 2SC2785 R301 1-249-405-11 CARBON 100 5% 1/4W Q405 8-729-178-54 TRANSISTOR 2SC2785 R302 1-247-721-11 CARBON 5.6K 5% 1/4W Q406 8-729-178-54 TRANSISTOR 2SC2785 R303 1-249-426-11 CARBON 5.6K 5% 1/4W Q407 8-729-178-54 TRANSISTOR 2SC2785 R303 1-249-426-11 CARBON 5.6K 5% 1/4W Q408 8-729-178-54 TRANSISTOR 2SC2785 R304 1-249-421-11 CARBON 2.2K 5% 1/4W Q410 8-729-178-54 TRANSISTOR 2SC2785 R306 1-249-405-11 CARBON 100 5% 1/4W Q410 8-729-178-54 TRANSISTOR DTC144ES R306 1-249-405-11 CARBON 100 5% 1/4W Q410 8-729-108-99 TRANSISTOR DTC144ES R306 1-249-405-11 CARBON 100 5% 1/4W Q412 8-729-117-54 TRANSISTOR 2SC2785 R306 1-249-405-11 CARBON 100 5% 1/4W Q412 8-729-117-54 TRANSISTOR 2SC2785 R306 1-249-405-11 CARBON 100 5% 1/4W Q412 8-729-117-54 TRANSISTOR 2SC2785 R306 1-249-405-11 CARBON 100 5% 1/4W Q412 8-729-107-54 TRANSISTOR 2SC2785 R306 1-249-405-11 CARBON 100 5% 1/4W Q414 8-729-108-54 TRANSISTOR 2SC2785 R311 1-249-405-11 CARBON 100 5% 1/4W Q414 8-729-103-34 TRANSISTOR 2SC2785 R311 1-249-435-11 CARBON 33K 5% 1/4W Q415 8-729-900-36 TRANSISTOR 2SC2785 R311 1-249-435-11 CARBON 150 5% 1/4W Q416 8-729-900-36 TRANSISTOR 2SC2785 R314 1-249-405-11 CARBON 100 5% 1/4W Q416 8-729-108-34 TRANSISTOR 2SC2785 R314 1-249-405-11 CARBON 100 5% 1/4W Q416 8-729-108-34 TRANSISTOR 2SC2785 R314 1-249-405-11 CARBON 100 5% 1/4W Q416 8-729-108-34 TRANSISTOR 2SC2785 R316 1-249-413-11 CARBON 100 5% 1/4W Q416 8-729-117-54 TRANSISTOR 2SC2785 R316 1-249-413-11 CARBON 8-729-117-54 TRANSISTOR 2SC2785 R316 1-249-413-11 CARBON 20 5% 1/4W Q416 8-729-117-54 TRANSISTOR 2SC27	Q336 Q337 Q338	8-729-117-54 8-729-178-54 8-729-900-89	TRANSISTOR 2SA1175 TRANSISTOR 2SA1175 TRANSISTOR 2SC2785 TRANSISTOR DTC144ES TRANSISTOR 2SD773-4		Q1003 Q1004 Q1005 Q1006	8-729-177-42 8-729-122-03	TRANSISTOR TRANSISTOR	2SD774-3 2SA1220A			
Q403 8-729-117-54 TRANSISTOR 252785 R300 1-249-405-11 CARBON 100 5% 1/4W						RES	ISTOR				
Q407 8-729-178-54 TRANSISTOR 25C2785 R306 1-249-429-11 CARBON 10K 5K 1/4W Q409 8-729-178-54 TRANSISTOR 25C2785 R306 1-249-405-11 CARBON 10K 5K 1/4W Q410 8-729-900-89 TRANSISTOR DTC144ES R307 1-247-887-00 CARBON 220K 5K 1/4W Q411 8-729-178-54 TRANSISTOR DTC144ES R309 1-249-405-11 CARBON 10K 5K 1/4W Q412 8-729-178-54 TRANSISTOR 25A1175 R308 1-249-405-11 CARBON 10K 5K 1/4W Q413 8-729-178-54 TRANSISTOR 25A1175 R309 1-249-405-11 CARBON 10C 5K 1/4W Q414 8-729-18-54 TRANSISTOR 25C2785 R310 1-247-887-00 CARBON 220K 5K 1/4W Q415 8-729-900-36 TRANSISTOR 25C2785 R310 1-249-435-11 CARBON 33K 5K 1/4W Q416 8-729-900-36 TRANSISTOR 25C2785 R311 1-249-435-11 CARBON 33K 5K 1/4W Q416 8-729-900-36 TRANSISTOR 25C2785 R311 1-249-405-11 CARBON 10K 5K 1/4W Q416 8-729-900-36 TRANSISTOR 25C2785 R311 1-249-405-11 CARBON 10K 5K 1/4W Q416 8-729-900-36 TRANSISTOR 25C2785 R314 1-249-405-11 CARBON 10K 5K 1/4W Q416 8-729-18-80 TRANSISTOR 25C2785 R314 1-249-405-11 CARBON 10K 5K 1/4W Q416 8-729-178-84 TRANSISTOR 25C2785 R316 1-249-413-11 CARBON 470 5K 1/4W Q416 8-729-178-54 TRANSISTOR 25C2785 R316 1-249-413-11 CARBON 470 5K 1/4W Q416 8-729-178-54 TRANSISTOR 25C2785 R316 1-249-414-11 CARBON 470 5K 1/4W Q416 8-729-178-54 TRANSISTOR 25C2785 R317 1-249-416-11 CARBON 20 5K 1/4W Q416 8-729-178-54 TRANSISTOR 25C2785 R317 1-249-416-11 CARBON 20 5K 1/4W Q416 8-729-178-54 TRANSISTOR 25C2785 R321 1-249-416-11 CARBON 20 5K 1/4W Q416 8-729-178-54 TRANSISTOR 25C2785 R321 1-249-409-11 CARBON 20 5K 1/4W Q416 8-729-120-30 TRANSISTOR 25C2785 R322 1-249-409-11 CARBON 20 5K 1/4W Q416 8-729-120-30 TRANSISTOR 25C2785 R321 1-249-410-11 CARBON 20 5K 1/4W Q416 8-729-120-30 TR	Q403 Q404 Q405	8-729-117-54 8-729-178-54 8-729-178-54	TRANSISTOR 2SA1175 TRANSISTOR 2SC2785 TRANSISTOR 2SC2785		R301 R302 R303	1-249-405-11 1-247-721-11 1-249-426-11	CARBON CARBON CARBON	100 4.7K 5.6K	5% 5% 5%	1/4W 1/4W 1/4W	
Q411 8-729-900-89 TRANSISTOR DTC144ES R309 1-249-405-11 CARBON 100 5% 1/4W Q413 8-729-178-54 TRANSISTOR 2SC2785 R310 1-247-887-00 CARBON 220K 5% 1/4W Q414 8-729-178-54 TRANSISTOR 2SC2785 R311 1-249-435-11 CARBON 33K 5% 1/4W Q415 8-729-900-36 TRANSISTOR DTC124ES R312 1-249-435-11 CARBON 15K 5% 1/4W Q416 8-729-900-36 TRANSISTOR DTC124ES R312 1-249-405-11 CARBON 100 5% 1/4W Q416 8-729-900-36 TRANSISTOR DTC124ES R313 1-249-405-11 CARBON 100 5% 1/4W Q416 8-729-900-36 TRANSISTOR DTC124ES R314 1-249-405-11 CARBON 100 5% 1/4W Q501 8-729-119-80 TRANSISTOR 2SC2688-LK R316 1-249-405-11 CARBON 470 5% 1/4W Q502 8-729-178-54 TRANSISTOR 2SC2785 R316 1-249-413-11 CARBON 470 5% 1/4W Q503 8-729-178-54 TRANSISTOR 2SC2785 R316 1-249-414-11 CARBON 470 5% 1/4W Q505 8-729-303-08 TRANSISTOR 2SC2785 R316 1-249-414-11 CARBON 470 5% 1/4W Q506 8-729-178-54 TRANSISTOR 2SC2785 R316 1-249-416-11 CARBON 2.7K 5% 1/4W Q507 8-729-178-54 TRANSISTOR 2SC2785 R316 1-249-416-11 CARBON 820 5% 1/4W Q508 8-729-178-54 TRANSISTOR 2SC2785 R321 1-249-416-11 CARBON 820 5% 1/4W Q509 8-729-178-54 TRANSISTOR 2SC2785 R321 1-249-409-11 CARBON 200 5% 1/4W Q509 8-729-195-82 TRANSISTOR 2SC2785 R321 1-249-409-11 CARBON 200 5% 1/4W Q510 8-729-195-82 TRANSISTOR 2SC2785 R321 1-249-409-11 CARBON 200 5% 1/4W Q511 8-729-109-03 TRANSISTOR 2SC2785 R321 1-249-409-11 CARBON 200 5% 1/4W Q514 8-729-178-54 TRANSISTOR 2SC2785 R325 1-249-409-11 CARBON 200 5% 1/4W Q515 8-729-109-36 TRANSISTOR DTC124ES R325 1-249-409-11 CARBON 200 5% 1/4W Q516 8-729-178-54 TRANSISTOR DTC124ES R326 1-249-409-11 CARBON 200 5% 1/4W Q517 8-729-178-54 TRANSISTOR 2SC2785 R330 1-249-43	Q407 Q408 Q409	8-729-178-54 8-729-178-54 8-729-178-54	TRANSISTOR 2SC2785 TRANSISTOR 2SC2785 TRANSISTOR 2SC2785 TRANSISTOR DTC144ES		R305 R306 R307	1-249-429-11 1-249-405-11 1-247-887-00	CARBON CARBON CARBON	10K 100 220K	5% 5% 5%	1/4W 1/4W 1/4W	
Q416 8-729-900-36 TRANSISTOR DTC124ES R314 1-249-405-11 CARBON 100 5% 1/4W Q501 8-729-800-35 TRANSISTOR 2SD1397 Q502 8-729-119-80 TRANSISTOR 2SC2688-LK R315 1-249-413-11 CARBON 470 5% 1/4W Q503 8-729-118-54 TRANSISTOR 2SC2785 R316 1-249-413-11 CARBON 470 5% 1/4W Q504 8-729-117-54 TRANSISTOR 2SC1890A R318 1-249-414-11 CARBON 560 5% 1/4W Q506 8-729-178-54 TRANSISTOR 2SC2785 R316 1-249-416-11 CARBON 2.7K 5% 1/4W Q506 8-729-178-54 TRANSISTOR 2SC2785 R319 1-249-416-11 CARBON 820 5% 1/4W Q508 8-729-178-54 TRANSISTOR 2SC2785 R321 1-249-415-11 CARBON 680 5% 1/4W Q508 8-729-178-54 TRANSISTOR 2SC2785 R321 1-249-411-11 CARBON 330 5% 1/4W Q508 8-729-178-54 TRANSISTOR 2SC2785 R321 1-249-409-11 CARBON 330 5% 1/4W Q508 8-729-122-03 TRANSISTOR 2SC2785 R322 1-249-409-11 CARBON 220 5% 1/4W Q508 8-729-122-03 TRANSISTOR 2SC2785 R322 1-249-409-11 CARBON 220 5% 1/4W Q510 8-729-122-03 TRANSISTOR 2SC2785 R322 1-249-409-11 CARBON 1K 5% 1/4W Q511 8-729-169-02 TRANSISTOR 2SC2690A-Q Q512 8-729-117-54 TRANSISTOR 2SC2785 R326 1-249-405-11 CARBON 1K 5% 1/4W Q513 8-729-900-35 TRANSISTOR DTC124ES R326 1-249-409-11 CARBON 220 5% 1/4W Q514 8-729-900-36 TRANSISTOR DTC124ES R326 1-249-409-11 CARBON 220 5% 1/4W Q515 8-729-900-36 TRANSISTOR DTC124ES R329 1-249-433-11 CARBON 22K 5% 1/4W Q516 8-729-178-54 TRANSISTOR DTC124ES R329 1-249-433-11 CARBON 22K 5% 1/4W Q516 8-729-178-54 TRANSISTOR DTC124ES R329 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785			TRANSISTOR DTC144ES								
Q416 8-729-900-36 TRANSISTOR DTC124ES R314 1-249-405-11 CARBON 100 5% 1/4W 1/4	Q413 Q414 Q415	8-729-178-54 8-729-178-54 8-729-900-36			R311 R312	1-249-435-11 1-249-431-11	CARBON CARBON	33K 15K	5% 5%	1/4W 1/4W	
Q503 8-729-178-54 TRANSISTOR 2SC2785 R316 1-249-413-11 CARBON A70 5% 1/4W Q504 8-729-117-54 TRANSISTOR 2SA1175 R317 1-249-414-11 CARBON 560 5% 1/4W Q505 8-729-309-08 TRANSISTOR 2SC1890A R319 1-249-416-11 CARBON 2.7K 5% 1/4W Q506 8-729-178-54 TRANSISTOR 2SC2785 Q507 8-729-313-42 TRANSISTOR 2SC2785 TRANSISTOR 2SC2785 TRANSISTOR 2SC2785 TRANSISTOR 2SC2785 R321 1-249-415-11 CARBON 330 5% 1/4W Q508 8-729-178-54 TRANSISTOR 2SC2785 R321 1-249-401-11 CARBON 330 5% 1/4W Q509 8-729-195-82 TRANSISTOR 2SC2958 R322 1-249-409-11 CARBON 220 5% 1/4W Q510 8-729-122-03 TRANSISTOR 2SC2690A-Q TRANSISTOR 2SC2690A-Q Q512 8-729-105-54 TRANSISTOR 2SA1175 R326 1-249-405-11 CARBON 220 5% 1/4W Q514 8-729-900-36 TRANSISTOR DTC124ES R326 1-249-405-11 CARBON 220 5% 1/4W Q515 8-729-900-36 TRANSISTOR DTC124ES R327 1-249-43-11 CARBON 22K 5% 1/4W Q516 8-729-117-54 TRANSISTOR 2SA1175 R328 1-249-433-11 CARBON 22K 5% 1/4W Q517 8-729-178-54 TRANSISTOR 2SC2785 R330 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q519 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q519 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q519 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 2	Q501	8-729-800-35	TRANSISTOR 2SD1397		R314		CARBON	100		1/4W	
Q506 8-729-178-54 TRANSISTOR 2SC2785 R320 1-249-415-11 CARBON G80 5% 1/4W G515 8-729-900-36 TRANSISTOR DTC124ES R321 1-249-415-11 CARBON CARBO	Q503 Q504	8-729-178-54 8-729-117-54	TRANSISTOR 2SC2785 TRANSISTOR 2SA1175	•	R316 R317 R318	1-249-413-11 1-249-414-11 1-249-422-11	CARBON CARBON CARBON	470 560 2.7K	5% 5% 5%	1/4W 1/4W 1/4W	
Q508 8-729-178-54 TRANSISTOR 2SC2785 R321 1-249-411-11 CARBON 330 5% 1/4W Q509 8-729-195-82 TRANSISTOR 2SC2958 R322 1-249-409-11 CARBON 220 5% 1/4W Q510 8-729-122-03 TRANSISTOR 2SA1220A-P R324 1-249-417-11 CARBON 1K 5% 1/4W Q511 8-729-169-02 TRANSISTOR 2SC2690A-Q Q512 8-729-117-54 TRANSISTOR 2SA1175 R325 1-249-405-11 CARBON 100 5% 1/4W Q513 8-729-900-63 TRANSISTOR DTA124ES R326 1-249-409-11 CARBON 220 5% 1/4W Q514 8-729-900-36 TRANSISTOR DTC124ES R327 1-249-417-11 CARBON 1K 5% 1/4W Q515 8-729-900-36 TRANSISTOR DTC124ES R327 1-249-417-11 CARBON 1K 5% 1/4W Q516 8-729-117-54 TRANSISTOR DTC124ES R329 1-249-433-11 CARBON 27K 5% 1/4W Q516 8-729-117-54 TRANSISTOR DTC124ES R329 1-249-433-11 CARBON 22K 5% 1/4W Q517 8-729-178-54 TRANSISTOR 2SC2785 R330 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W	Q506	8-729-178-54	TRANSISTOR 2SC2785								
Q510 8-729-122-03 TRANSISTOR 2SA1220A-P R324 1-249-417-11 CARBON 1K 5% 1/4W Q511 8-729-169-02 TRANSISTOR 2SC2690A-Q Q512 8-729-117-54 TRANSISTOR ZSA1175 R325 1-249-405-11 CARBON 100 5% 1/4W Q513 8-729-900-63 TRANSISTOR DTA124ES R326 1-249-409-11 CARBON 220 5% 1/4W Q514 8-729-900-36 TRANSISTOR DTC124ES R327 1-249-417-11 CARBON 1K 5% 1/4W R328 1-249-434-11 CARBON 27K 5% 1/4W R328 1-249-433-11 CARBON 27K 5% 1/4W Q515 8-729-900-36 TRANSISTOR DTC124ES R329 1-249-433-11 CARBON 22K 5% 1/4W Q516 8-729-117-54 TRANSISTOR 2SA1175 R330 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R330 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-178-178-178-178-178-178-178-178-178	0508 0509	8-729-178-54	TRANSISTOR 2SC2785 TRANSISTOR 2SC2958		R321 R322	1-249-411-11 1-249-409-11	CARBON CARBON	330 220	5% 5%	1/4W 1/4W	
Q513 8-729-900-63 TRANSISTOR DTA124ES R326 1-249-409-11 CARBON 220 5% 1/4W 1/4W	Q511	8-729-169-02	TRANSISTOR 2SC2690A-Q				CARBON	1K	5%	1/4W	
Q515 8-729-900-36 TRANSISTOR DTC124ES R329 1-249-433-11 CARBON 22K 5% 1/4W Q516 8-729-117-54 TRANSISTOR 2SA1175 R330 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R330 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-178-178-178-178-178-178-178-178-178	Q513	8-729-900-63	TRANSISTOR DTA124ES		R326 R327	1-249-409-11 1-249-417-11	CARBON CARBON	220 1K	5% 5%	1/4W 1/4W	
Q517 8-729-178-54 TRANSISTOR 2SC2785 R330 1-249-433-11 CARBON 22K 5% 1/4W Q518 8-729-178-54 TRANSISTOR 2SC2785 R331 1-249-433-11 CARBON 22K 5% 1/4W	Q516	8-729-117-54	TRANSISTOR 2SA1175								
	Q517 Q518	8-729-178-54 8-729-178-54	TRANSISTOR 2SC2785 TRANSISTOR 2SC2785	į	R331	1-249-433-11	CARBON	22K	5%	1/4W	

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D. S. No D b. No.	D			,								
Ref.No. Part No. R333 1-249-435-11 R334 1-249-432-11 R335 1-247-700-11	Description CARBON CARBON CARBON	33K 18K 100	5% 5% 5%	1/4W 1/4W 1/4W	Remark	Ref.No. R398 R399 R400	Part No. 1-249-405-11 1-247-718-11 1-249-413-11	Description CARBON CARBON CARBON	100 2.7K 470	5% 5% 5%	1/4W 1/4W 1/4W	Remark
R336 1-249-417-11 R337 1-249-410-11	CARBON CARBON	1K 270	5% 5%	1/4W 1/4W		R401 R402	1-249-413-11 1-249-416-11	CARBON CARBON	470 820	5% 5%	1/4W 1/4W	
R338 1-249-421-11 R339 1-249-405-11 R340 1-249-434-11 R341 1-249-434-11 R342 1-249-418-11	CARBON CARBON CARBON CARBON GARBON	2.2K 100 27K 27K 1.2K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	,	R403 R404 R405 R406 R407	1-249-411-11 1-249-405-11 1-249-422-11 1-249-413-11 1-249-413-11	CARBON CARBON CARBON CARBON CARBON	330 100 2.7K 470 470	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R343 1-249-440-11 R344 1-249-428-11 R345 1-249-416-11 R346 1-249-416-11 R347 1-249-421-11	CARBON CARBON CARBON CARBON CARBON	82K 8.2K 820 820 2.2K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R408 R409 R410 R411 R412	1-249-416-11 1-249-411-11 1-249-405-11 1-249-422-11 1-249-419-11	CARBON CARBON CARBON CARBON CARBON	820 330 100 2.7K 1.5K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R348 1-249-421-11 R349 1-249-417-11 R350 1-249-425-11 R351 1-249-421-11 R352 1-247-891-00	CARBON CARBON CARBON CARBON CARBON	2.2K 1K 4.7K 2.2K 330K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R413 R414 R415 R416 R417	1-249-417-11 1-249-429-11 1-249-417-11 1-249-429-11 1-249-421-11	CARBON CARBON CARBON CARBON CARBON	1K 10K 1K 10K 2.2K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R353 1-249-428-11 R354 1-249-424-11 R355 1-249-434-11 R356 1-249-437-11 R357 1-249-437-11	CARBON CARBON CARBON CARBON CARBON	8.2K 3.9K 27K 47K 47K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R418 R419 R420 R421 R421	1-249-439-11 1-249-433-11 1-249-426-11 1-249-437-11 1-249-437-11	CARBON CARBON CARBON CARBON CARBON	68K 22K 5.6K 47K 47K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R358 1-249-433-11 R359 1-249-417-11 R360 1-249-413-11 R361 1-249-405-11 R362 1-249-410-11	CARBON CARBON CARBON CARBON CARBON	22K 1K 470 100 270	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R423 R424 R425 R425 R426 R427	1-249-405-11 1-249-437-11 1-249-437-11 1-249-434-11 1-249-429-11	CARBON CARBON CARBON CARBON CARBON	100 47K 47K 27K 10K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R363 1-249-432-11 R364 1-249-417-11 R365 1-249-432-11 R366 1-249-437-11 R367 1-249-413-11	CARBON	18K 1K 18K 47K 470	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R428 R429 R430 R431 R432	1-249-425-11 1-249-405-11 1-247-711-11 1-249-416-11 1-249-414-11	CARBON CARBON CARBON CARBON CARBON	4.7K 100 680 820 560	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R368 1-249-405-11 R369 1-249-405-11 R370 1-249-417-11 R371 1-249-432-11 R372 1-249-465-11	CARBON CARBON CARBON	100 100 1K 18K 47K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R433 R434 R435 R435 R436 R437	1-249-433-11 1-249-425-11 1-249-405-11 1-249-423-11 1-249-411-11	CARBON CARBON CARBON CARBON CARBON	22K 4.7K 100 3.3K 330	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R373 1-249-436-11 R374 1-249-432-11 R375 1-249-405-11 R376 1-249-417-11 R377 1-249-428-11	CARBON ————————————————————————————————————	39K 18K 100 1K 8.2K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	·· ··	R438 R439 R440 R441 R441	1-249-405-11 1-249-417-11 1-249-425-11 1-249-421-11 1-247-700-11	CARBON CARBON CARBON CARBON CARBON	100 1K 4.7K 2.2K 100	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R378 1-249-433-11 R379 1-249-430-11 R380 1-249-405-11 R381 1-249-431-11 R382 1-249-408-11	CARBON CARBON CARBON	22K 12K 100 15K 180	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R443 R444 R445 R446 R447	1-249-421-11 1-249-419-11 1-249-417-11 1-249-422-11 1-249-429-11	CARBON CARBON CARBON CARBON CARBON	2.2K 1.5K 1K 2.7K 10K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R383 1-249-413-11 R384 1-249-413-11 R385 1-249-411-11 R386 1-249-415-11 R387 1-249-405-11	CARBON CARBON CARBON	470 470 330 680 100	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R448 R449 R450 R451 R452	1-247-883-00 1-249-462-11 1-249-409-11 1-247-704-11 1-249-409-11	CARBON CARBON CARBON CARBON CARBON	150K 22K 220 220 220	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R388 1-249-423-11 R389 1-249-417-11 R390 1-249-433-11 R391 1-249-433-11 R392 1-249-433-11	CARBON	3.3K 1K 22K 22K 22K 22K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R453 R454 R455 R455 R456	1-247-704-11 1-249-417-11 1-249-409-11 1-249-409-11 1-249-409-11	CARBON CARBON CARBON CARBON CARBON	220 1K 220 220 220	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R393 1-249-403-11 R394 1-249-409-11 R395 1-249-417-11 R396 1-249-433-11 R397 1-249-405-11	CARBON CARBON CARBON	68 220 1K 22K 100	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R458 R459 R460 R461 R462	1-249-433-11 1-249-425-11 1-249-425-11 1-249-433-11 1-249-386-11	CARBON CARBON CARBON CARBON CARBON	22K 4.7K 4.7K 22K 2.7	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	F



The components identified by in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie. The components identified by shading and mark are critical for safety.

Replace only with part number specified.

Ref.No. Pa	rt No.	the value original Description	lly used	l.		Remark		: Selected to y Part No.	ield optimum per Description	ormanc	e.		Remark
	215-431-00 215-432-00 215-433-00 215-434-00 215-435-00	METAL METAL METAL METAL METAL	2.7K 3K 3.3K 3.6K 3.9K	1% 1% 1% 1% 1%	1/6W 1/6W 1/6W 1/6W 1/6W		R514 R515 R516 R517 R518	1-216-367-11 1-216-434-11 1-214-888-00 1-214-763-00 1-214-956-00	METAL OXIDE METAL OXIDE METAL METAL METAL	0.68 1.8K 10K 27K 470K	5% 5% 1% 1% 1%	2W 1W 1/2W 1/4W 1/4W	F
* R463 1-* R463 1-* R463 1-	215-436-00 215-437-00 215-438-00 215-439-00 215-440-00	METAL METAL METAL METAL METAL	4.3K 4.7K 5.1K 5.6K 6.2K	1% 1% 1% 1% 1%	1/6W 1/6W 1/6W 1/6W 1/6W		R519 R520 R521 R521 R522 R523	1-214-917-00 1-215-467-00 1-215-445-00 1-247-887-00 1-215-439-00	METAL METAL METAL CARBON METAL	150K 82K 10K 220K 5.6K	1% 1% 1% 5% 1%	1/2W 1/6W 1/6W 1/4W 1/6W	
<pre>% R463 1- % R463 1- % R463 1-</pre>		METAL METAL METAL METAL METAL	6.8K 7.5K 8.2K 9.1K 10K	1% 1% 1% 1% 1%	1/6W 1/6W 1/6W 1/6W 1/6W		R524 R525 R526 R527 R528	1-249-469-11 1-215-445-00 1-215-442-00 1-249-417-11 1-215-877-11	CARBON METAL METAL CARBON METAL OXIDE	100K 10K 7.5K 1K 22K	5% 1% 1% 5% 5%	1/4W 1/6W 1/6W 1/4W 1W	F
	215-446-00 215-447-00 259-881-11 249-465-11 249-421-11	METAL METAL CARBON CARBON CARBON CARBON	11K 12K 2.7M 47K 2.2K 15K	1% 1% 5% 5% 5%	1/6W 1/6W 1/4W 1/4W 1/4W 1/4W		R529 R530 R531 R532 R533	1-216-360-11 1-216-427-00 1-247-756-11 1-249-436-11 1-249-422-11	METAL OXIDE METAL OXIDE CARBON CARBON CARBON	8.2 120 2.2K 39K 2.7K	5% 5% 5% 5% 5%	1W 1W 1/2W 1/4W 1/4W	F F
R468 1- R469 1- R470 1- R471 1-	249-431-11 -247-897-11 -249-437-11 -249-429-11 -249-417-11	CARBON CARBON CARBON CARBON CARBON CARBON	15K 560K 47K 10K 1K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R534 R535 R536 R537 R538	1-247-719-11 1-215-441-00 1-249-433-11 1-249-417-11 1-249-428-11	CARBON METAL CARBON CARBON CARBON	3.3K 6.8K 22K 1K 8.2K	5% 1% 5% 5% 5%	1/4W 1/6W 1/4W 1/4W 1/4W	F .
R473 1- R474 1- R475 1- R476 1-	-249-437-11 -249-429-11 -249-417-11 -249-401-11 -249-417-11	CARBON CARBON CARBON CARBON CARBON CARBON	47K 10K 1K 47 1K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R539 R540 R541 R542 R543	1-247-883-00 1-249-466-11 1-247-883-00 1-249-438-11 1-247-903-00	CARBON CARBON CARBON CARBON CARBON	150K 56K 150K 56K 1M	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R479 1- R480 1- R481 1-	-249-401-11 -249-401-11 -249-433-11 -249-433-11	CARBON CARBON CARBON CARBON CARBON	47 1K 47 22K 22K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R544 R545 R546 R547 R548	1-215-453-00 1-249-417-11 1-249-411-11 1-249-414-11 1-249-415-11	METAL CARBON CARBON CARBON CARBON	22K 1K 330 560 680	1% 5% 5% 5% 5%	1/6W 1/4W 1/4W 1/4W 1/4W	
R484 1- R485 1- R486 1-	-249-433-11 -247-891-00 -246-533-75 -249-433-11 -249-433-11	CARBON CARBON CARBON CARBON CARBON	330K 330K 22K 22K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R549 R550 R551 R552 R553	1-215-473-00 1-249-433-11 1-247-688-11 1-249-425-11 1-249-429-11	METAL CARBON CARBON CARBON CARBON	150K 22K 10 4.7K 10K	1% 5% 5% 5% 5%	1/6W 1/4W 1/4W 1/4W 1/4W	F
R488 1- R489 1- R490 1- R491 1-		CARBON CARBON CARBON CARBON CARBON	1.2K 2.2K 470K 1.8K 1K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	F	R554 R555 R556 R557 R558	1-249-460-11 1-249-426-11 1-247-707-11 1-215-463-00 1-215-457-00	CARBON CARBON CARBON METAL METAL	15K 5.6K 390 56K 33K	5% 5% 5% 1% 1%	1/4W 1/4W 1/4W 1/6W 1/6W	
R493 1- R494 1- R495 1- R496 1-	-249-441-11 -249-413-11 -249-433-11 -249-433-11	CARBON CARBON CARBON CARBON CARBON CARBON	100K 470 22K 22K 47K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	ą	R559 R560 R561 R562 R563	1-215-453-00 1-215-479-00 1-249-435-11 1-249-422-11 1-249-428-11	METAL METAL CARBON CARBON CARBON	22K 270K 33K 2.7K 8.2K	1% 1% 5% 5% 5%	1/6W 1/6W 1/4W 1/4W 1/4W	
R498 1- R499 1- R500 A. R501 1-	-249 -433 -11 -249 -433 -11 -247 -711 -11	CARBON CARBON METAL CARBON	22K 22K 680	5% 5% 5%	1/4W 1/4W 1/6W 1/4W		R564 R565 R566 R567 R568	1-215-445-00 1-249-413-11 1-216-350-11 1-216-350-11 1-249-401-11	METAL CARBON METAL OXIDE METAL OXIDE CARBON	10K 470 1.2 1.2 47	1% 5% 5% 5% 5%	1/6W 1/4W 1W 1W 1/4W	F F F
R503 1- R504 1- R505 1- R506 1-	-249-440-11 -249-424-11 -249-440-11 -249-431-11	METAL OXIDE CARBON CARBON CARBON CARBON	18K 82K 3.9K 82K 15K	5% 5%	2W 1/4W 1/4W 1/4W 1/4W	F	R569 R570 R571 R572 R573	1-215-869-11 1-247-697-11 1-215-867-00 1-216-355-11 1-247-746-11	METAL OXIDE CARBON METAL OXIDE METAL OXIDE CARBON	1K 56 470 3.3 390	5% 5% 5% 5% 5%	1W 1/4W 1W 1W 1/2W	F F F
R508 1- R509 1- R510 1- R511 1- R512 1-	-247-723-11 -249-423-11 -215-919-11 -215-447-00 -212-883-00	CARBON CARBON METAL OXIDE METAL FUSIBLE CARBON	3.3K 2.2K 12K	1% 5%	1/4W 1/4W 1/4W 3W 1/6W 1/4W 1/4W	F F	R574 R575 R576 R577 R577	1-249-425-11 1-247-688-11 1-249-440-11 1-249-396-11 1-249-433-11	CARBON CARBON CARBON CARBON CARBON	4.7K 10 82K 18 22K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	F

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Ref.No. R579	Part No. 1-249-433-11	Description CARBON	22K	5%	1/4W	Remark	Ref.No.	Part No. 1-215-439-00	Description METAL	5.6K	1 8	1/6W	Remark
R580 R581	1-249-433-11 1-249-429-11	CARBON CARBON	22K 10K	5% 5%	1/4W 1/4W		R847 R848	1-249-433-11 1-249-433-11	CARBON CARBON	22K 22K	5% 5%	1/4W 1/4W	
R582 R583	1-249-429-11 1-249-438-11	CARBON CARBON	10K 56K	5% 5%	1/4W 1/4W		R850 R851	1-249-440-11 1-249-439-11	CARBON CARBON	82K 68K	5% 5%	1/4W 1/4W	
R584 R585	1-247-881-00 1-249-433-11	CARBON CARBON	120K 22K	5% 5%	1/4W 1/4W		R852 R853	1-249-437-11 1-247-710-11	CARBON CARBON	47 K 560	5% 5%	1/4W 1/4W	
R586 R587	1-215-449-00 1-249-429-11	METAL CARBON	15K 10K	1% 5%	1/6W 1/4W		R855 R856	1-249-414-11 1-249-429-11	CARBON CARBON	560 10K	5% 5%	1/4W 1/4W	,
R588 R589	1-247-688-11 1-249-417-11	CARBON	10 1K	5% 5%	1/4W	F	R857 R858	1-247-725-11	CARBON CARBON	10K 22K	5% 5%	1/4W 1/4W	
R590 R591	1-249-433-11 1-249-433-11	CARBON CARBON	22K 22K	5% 5%	1/4W 1/4W		R860 R861	1-249-425-11 1-249-437-11	CARBON CARBON	4.7K 47K		1/4W 1/4W	
R592 R593	1-249-417-11 1-249-425-11	CARBON CARBON	1K 4.7K	5% 5%	1/4W 1/4W		R862 R863	1-249-425-11 1-247-721-11	CARBON CARBON	4.7K 4.7K	5% 5%	1/4W 1/4W	
R594 R595	1-247-719-11 1-249-417-11	CARBON CARBON	3.3K 1K	5% 5%	1/4W 1/4W		R864 R866	1-247-717-11 1-249-426-11	CARBON CARBON	2.2K 5.6K		1/4W 1/4W	
R596 R597	1-247-721-11 1-215-437-00	CARBON METAL	4.7K 4.7K	5% 1%	1/4W 1/6W	F	R867	1-249-426-11	CARBON CARBON	5.6K 2.2K	5% 5%	1/4W 1/4W	
R598 R599	1-247-725-11	CARBON	10K 680	5% 5%	1/4W 1/4W	F	R869 R870	1-249-425-11	CARBON	4.7K 5.6K	5% 5%	1/4W 1/4W	
R800 R801	1-215-443-00 1-249-440-11	METAL CARBON	8.2K 82K	1% 5%	1/6W 1/4W		R871	1-249-427-11 1-249-417-11	CARBON CARBON	6.8K 1K	5% 5%	1/4W 1/4W	
R802 R803	1-215-429-00 1-249-465-11	METAL CARBON	2.2K 47K	1% 5%	1/6W 1/4W		R873 R874	1-249-437-11 1-215-437-00	CARBON METAL	47K 4.7K	5% 1%	1/4W 1/6W	
R804 R805	1-247-726-11 1-249-407-11	CARBON CARBON	33K 150	5% 5%	1/4W 1/4W	F	R875 R876	1-215-453-00 1-249-429-11	METAL CARBON	22K 10K	1% 5%	1/6W 1/4W	
R806 R807 R808	1-249-415-11 1-249-437-11 1-249-433-11	CARBON CARBON CARBON	680 47K 22K	5% 5% 5%	1/4W 1/4W 1/4W		R877 R878 R879	1-249-417-11 1-249-429-11 1-249-437-11	CARBON CARBON CARBON	1K 10K 47K	5% 5%	1/4W 1/4W	
R809	1-215-471-00	METAL	120K	1%	1/6W		R880	1-249-417-11	CARBON	1K	5% 5%	1/4W 1/4W	
R810 R811	1-215-467-00	METAL CARBON CARBON	82K 10K 6.8K	1% 5% 5%	1/6W 1/4W 1/4W		R881 R883 R884	1-249-423-11	CARBON CARBON	3.3K 220	5% 5%	1/4W 1/4W	
R812 R813	1-249-427-11 1-249-405-11	CARBON	100	5%	1/4W		R885	1-249-417-11 1-249-469-11	CARBON CARBON	1K 100K	5% 5%	1/4W 1/4W	
R814 R815	1-249-417-11	CARBON CARBON	1K 220	5% 5%	1/4W 1/4W		R886	1-247-725-11 1-247-704-11	CARBON CARBON	10K 220	5% 5%	1/4W 1/4W	
R816 R817 R818	1-249-429-11 1-247-881-00 1-247-881-00	CARBON CARBON CARBON	10K 120K 120K	5% 5% 5%	1/4W 1/4W 1/4W		R1001 R1002 R1003	1-247-717-11 1-249-429-11 1-249-405-11	CARBON CARBON CARBON	2.2K 10K 100	5% 5% 5%	1/4W 1/4W 1/4W	
R819	1-247-903-00	CARBON	1M	5%	1/4W		R1004	1-247-725-11	CARBON	10K	5%	1/4W	
R820 R821 R822	1-249-426-11 1-247-881-00 1-249-417-11	CARBON CARBON CARBON	5.6K 120K 1K	5% 5% 5%	1/4W 1/4W 1/4W		R1006	1-249-437-11 1-249-439-11 1-249-433-11	CARBON CARBON CARBON	47K 68K 22K	5% 5% 5%	1/4W 1/4W	
R823	1-247-696-11		47	5%	1/4W	F .		1-249-429-11	CARBON	10K	5%	1/4W 1/4W	
R824 R825	1-249-439-11 1-249-437-11 1-249-417-11	CARBON CARBON CARBON	68K 47K 1K	5% 5% 5%	1/4W 1/4W 1/4W		R1011	1-249-415-11 1-249-455-11 1-216-355-11	CARBON CARBON	680 4.7	5% 5%	1/4W 1/4W	
R826 R827 R828	1-249-417-11 1-249-417-11	CARBON CARBON	1K 1K	5% 5%	1/4W 1/4W		R1013	1-249-413-11 1-249-414-11	METAL OXIDE CARBON CARBON	3.3 470 560	5% 5% 5%	1W 1/4W 1/4W	F
R829	1-249-421-11	CARBON CARBON	2.2K 33K	5% 5%	1/4W 1/4W		R1015	1-215-867-00 1-247-698-11	METAL OXIDE	470	5%	1W	F
R830 R831 R832	1-249-435-11 1-249-438-11 1-249-417-11	CARBON CARBON	56K 1K	5% 5%	1/4W 1/4W		R1017	1-249-421-11	CARBON CARBON CARBON	68 2.2K 47K	5% 5% 5%	1/4W 1/4W 1/4W	
R833	1-249-425-11	CARBON -	4.7K	5%	1/4W		R1019	1-212-857-00	FUSIBLE	10	5%	1/4W	F
R834 R835 R836	1-249-425-11 1-247-889-00 1-247-897-11	CARBON CARBON CARBON	4.7K 270K 560K	5% 5% 5%	1/4W 1/4W 1/4W		R1021	1-249-429-11 1-249-434-11 1-249-428-11	CARBON CARBON CARBON	10K 27K 8.2K	5% 5% 5%	1/4W 1/4W 1/4W	
R837 R838	1-215-469-00 1-246-531-00	METAL CARBON	100K	1% 5%	1/6W 1/4W		R1023	1-249-428-11 1-247-903-00	CARBON CARBON		5% 5%	1/4W 1/4W 1/4W	,
R840 R842	1-247-696-11 1-249-409-11	CARBON	47 220	5% 5%	1/4W 1/4W			1-249-429-11 1-249-429-11	CARBON CARBON	10K 10K	5%	1/4W	
R843 R844	1-249-409-11 1-247-704-11 1-249-417-11	CARBON CARBON	220 1K	5% 5%	1/4W 1/4W		R1027 R1301	1-215-454-00 1-249-429-11	METAL CARBON	24K 10K	5% 1% 5%	1/4W 1/6W 1/4W	
R845	1-247-725-11		10K	5%	1/4W	İ	R1302	1-247-725-11		10K	5%	1/4W	

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A :	14	7 5	V -	7					
Ref	No.	Part No	X A	Descr	iptic	on.			R
R1 R1	304 306	1-249-4 1-249-4 1-247-7 1-249-4	05-11 00-11	CARBO CARBO CARBO CARBO	DN DN	10K 100 100 2.2k	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W	
			VAR	IABLE	RESI	STOR			
RV RV	003	1-228-9 1-228-9 1-228-9 1-228-9 1-228-9	93-00 93-00 96-00	RES, RES, RES,	ADJ, ADJ,	CARBON 4 CARBON 4 CARBON 4 CARBON 1	.7K .7K 7K		
RV	007 501 502	1-228-9 1-228-9 1-223-1	993-00	RES,	ADJ,	CARBON 1 METAL GL WIREWOUN	AZE 4.	.7K	
RV RV RV	506	1-228-9 1-228-9 1-228-9 1-228-9 1-224-2	990-00 95-00 989-00	RES, RES, RES,	ADJ, ADJ, ADJ,	METAL GL CARBON 1 CARBON 2 CARBON 4 METAL GL	.K 2K 70		
RV RV RV	510 511	1-228-9 1-230-6 1-228-9 1-228-9 1-228-9	35-51 996-00 989-00	RES,	ADJ, ADJ, ADJ,	CARBON 1 CARBON 2 CARBON 4 CARBON 2	20K 7K 70		
RV		1-228-9 1-228-9 1-228-9	96-00	RES,	ADJ,	METAL GL CARBON 4 CARBON 4	7K	7K	
			TRA	NSFORM	1ER				
	01 A . 502	1-439-3 1-437-1				ER ASSY, ER, DRIVE		(K	Sign A
			THE	RMIST	OR				
TH	501	1-806-1	10-00	THERM	AI STOP	₹			
***	****	*****	*****	****	****	******	*****	*****	***
	*	1-629-1	149-11	W BO/					
			CAP	ACITO	3				
C1 C1 C1	1400 1401 1402 1403 1404	1-136-1 1-136-1 1-124-4 1-102-0 1-124-4	153-00 178-11 074-00	FILM FILM ELECT CERAM ELECT	4IC	0.22M 0.01M 100MF 0.001 100MF	F MF	5% 5% 20% 10% 20%	50 50 25 50 25

C1405 1-123-875-11 ELECT C1406 1-124-902-00 ELECT

DIODE

D1400 8-719-911-19 DIODE 1SS119 D1401 8-719-911-19 DIODE 1SS119

<u>IC</u> IC1400 8-759-135-80 IC UPC358C 10MF 0.47MF 20% 20% Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and mark A are critical for safety.
Replace only with part number specified.

Remark	Ref.No.	Part No.	Description	n		Remark
		TRA	NSISTOR			
	Q1400 Q1401 Q1402 Q1403	8-729-178-54 8-729-117-54 8-729-178-54 8-729-178-54	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	2SA1175 2SC2785		
		RES	SISTOR			
	R1400 R1401 R1402 R1403 R1404	1-249-437-11 1-249-415-11 1-247-895-00 1-247-903-00 1-249-438-11	CARBON CARBON CARBON CARBON CARBON	47K 5% 680 5% 470K 5% 1M 5% 56K 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
	R1405 R1406 R1407 R1408 R1409	1-249-433-11 1-249-411-11 1-249-433-11 1-249-411-11 1-249-429-11	CARBON CARBON CARBON CARBON CARBON	22K 5% 330 5% 22K 5% 330 5% 10K 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
	R1410 R1411 R1412 R1413 R1414	1-249-409-11 1-249-426-11 1-249-411-11 1-247-883-00 1-249-429-11	CARBON CARBON CARBON CARBON CARBON	220 5% 5.6K 5% 330 5% 150K 5% 10K 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
	R1416 R1417 R1418 R1419 R1420	1-249-429-11 1-249-433-11 1-249-439-11 1-249-440-11 1-249-441-11	CARBON CARBON CARBON CARBON CARBON	10K 5% 22K 5% 68K 5% 82K 5% 100K 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
		CON	NECTOR			
Nic 22 and Nic	W1 W2	*1-565-482-11 *1-564-506-11		BOARD TO BOA ECTOR 3P	RD 6P	
	*****	*****	******	*****	*****	*****
******		*1-629-151-11	XA BOARD ******			
		CAP	ACITOR			
50V	C1300 C1301 C1302 C1303 C1304	1-101-005-00 1-101-888-00 1-101-884-00 1-102-942-00 1-102-947-00	CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC	0.022MF 68PF 56PF 5PF 10PF	5% 5% 1PF 0.5PF	50V 50V 50V 50V 50V
50V 25V 50V 25V	C1305 C1306 C1307 C1308 C1309	1-102-947-00 1-102-951-00 1-102-951-00 1-124-478-11 1-102-125-00	CERAMIC CERAMIC CERAMIC ELECT CERAMIC	10PF 15PF 15PF 100MF 0.0047MF	0.5PF 5% 5% 20% 10%	50V 50V 50V 25V 50V
		TRI	MMER			
	CV3 CV4	1-141-337-11 1-141-337-11		TRIMMER TRIMMER		
		COI	L			
	L1300 L1301 L1302 L1303	1-408-429-00 1-408-429-00 1-408-429-00 1-408-429-00	INDUCTOR INDUCTOR INDUCTOR INDUCTOR	470UH 470UH 470UH 470UH	:	

The components identified by shading and mark $ext{$ \triangle $}$ are critical for safety.

Replace only with part number specified.

Les composants identifies par une trame et une marque sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

Ref.No.	Part No.	Description	<u>1</u>			Remark
	TRA	NSISTOR				
Q1300 Q1301 Q1302 Q1303 Q1304	8-729-178-54 8-729-900-89 8-729-178-54 8-729-178-54 8-729-178-54	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	DTC144ES 2SC2785 2SC2785			
Q1305	8-729-178-54	TRANSISTOR	2SC2785			
	RES	ISTOR				
R1301 R1302 R1303 R1304 R1305	1-249-413-11 1-249-415-11 1-249-415-11 1-249-427-11 1-249-413-11	CARBON CARBON CARBON CARBON CARBON	470 680 680 6.8K 470	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R1306 R1308 R1310 R1311 R1312	1-249-413-11 1-249-417-11 1-249-441-11 1-249-441-11 1-249-441-11	CARBON CARBON CARBON CARBON CARBON	470 1K 100K 100K 100K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R1313 R1320 R1321 R1322 R1323	1-249-441-11 1-249-429-11 1-249-429-11 1-249-429-11 1-249-429-11	CARBON CARBON CARBON CARBON CARBON	100K 10K 10K 10K 10K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
	CRY	STAL	,			į
X358 X443	1-567-505-11 1-567-504-11	OSCILLATOR, OSCILLATOR,				
	CON	NECTOR				
XA1	*1-565-483-11	CONNECTOR,	BOARD TO	BOAR	D 7P	
*****	******	*****	******	****	*****	*****
•	*1-629-153-11	J BOARD				
	CON	NE CTOR				
J1	*1-568-106-11	PIN, CONNEC	CTOR 7P			
*****	******	******	*****	****	*****	******
		CELLANEOUS				
⚠	1-452-032-00 1-452-094-00	COIL, DEMAG DEFLECTION MAGNET, DIS MAGNET, ROT	NETIZATI YOKE (SY SK; 10MM FATABLE D	ON -222) Ø ISK;	15MM ø	
\$901 <i>A</i>	1-466-076-11 1-466-076-21 1-466-077-11 1-543-604-11 1-544-063-11 1-554-967-12	CONTROL UNI CONTROL UNI CONTROL UNI CORE, RING SPEAKER SWITCH, PUS	IT (PVM-1 IT (PVM-1	343MD 341 0	ONLY) NLY)	
	, 1-574-443-11 , 1-574-445-11	CORD, POWER		(PVM- L INS	1341/134 TRUMENT)	20 ONLY)

V901 A.8-734-822-05 PICTURE TUBE (M34KBE20X)
(PVM-13420/1343MD ONLY)
V901 A.8-736-255-05 PICTURE TUBE (A34JHS12X) (PVM-1341 ONLY)

PVM-1341/1342Q/1343MD





ACCESSORIES AND PACKING MATERIALS

Part No.	<u>Description</u> <u>Remark</u>
3-786-761-21 *4-369-325-11 *4-391-866-01 *4-391-867-01 *4-391-882-01	MANUAL, INSTRUCTION BAG, PROTECTION CUSHION (UPPER) (ASSY) CUSHION (LOWER) (ASSY) INDIVIDUAL CARTON (PVM-1342Q ONLY)
*4-391-884-01 *4-391-885-01	INDIVIDUAL CARTON (PVM-1341 ONLY) INDIVIDUAL CARTON (PVM-1343MD ONLY)

Sony Corporation

B&I Systems Company

SONY. SERVICE MANUAL

US Model Canadian Model

PVM-1341

Serial No. 2,002,701 and later Chassis No. SCC-C27A-A

PVM-1342Q

Serial No. 2,004,201 and later Chassis No. SCC-C25A-A

PVM-1343MD

Serial No. 2,001,451 and later Chassis No. SCC-C28A-A

SUPPLEMENT-1

File this Supplement with the Service Manual.

INTRODUCTION

A and W boards modification

: Indicate modification portion



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SONY SERVICE MANUAL

US Model Canadian Model

PVM-1341 Serial No. 2,003,501 and later Chassis No. SCC-C27A-A PVM-1342Q Serial No. 2,008,101 and later Chassis No. SCC-C25A-A PVM-1343MD

Serial No. 2,002,951 and later

Chassis No. SCC-C28A-A

SUPPLEMENT-2

File this Supplement with the Service Manual.

INTRODUCTION

F board modification

: Indicates modification portion

SECTION 7 EXPLODED VIEWS

7-1. CHASSIS

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No.	Part No.	Description	Remark No.	Part No.	<u>Description</u> R	emark
5	.1-237-614-12 *4-391-842-01 X-4391-805-1 *A-1245-494-A *A-1245-495-A *A-1296-616-A	CABINET ASSY, BOTTOM F BOARD, COMPLETE (PVM-1341/134: F BOARD, COMPLETE (PVM-1343MD OI A BOARD, COMPLETE TRANSFORMER ASSY, FLYBACK W BOARD XA BOARD	2Q ONLY) 15	*A-1135-532-A *A-1270-249-A *A-1270-248-A *A-1270-247-A 4-391-843-12 *3-682-419-01 *A-1330-913-A	V BOARD BB BOARD, COMPLETE (PVM-1341 ONLY) BA BOARD, COMPLETE 10,1 (PVM-1342Q/1343MD QE BOARD, COMPLETE QD BOARD, COMPLETE QC BOARD, COMPLETE PLATE, TERMINAL HOLDER, P.C.B C BOARD, COMPLETE PLATE (C) SHIELD	1,20

7-2. PICTURE TUBE

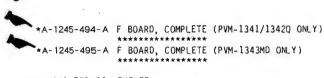
Page 66

No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
52	1-466-076-11	CONTROL UNIT (PVM-1342Q ONLY)		67	*4-374-912-01	COVER (MAIN), CV VOL	
		CONTROL UNIT (PVM-1343MD ONLY)		68	+4-374-913-01		VOI_
	1-466-077-11	CONTROL UNIT (PVM-1341 ONLY)	•	69 2	1-426-442-21	COLL DEMAGNETIZATION	Y
53	1-544-063-11	SPEAKER		70	4-365-808-01	SCREW (5), TAPPING	Makes and colours which approximate the responsibility of the State of Colours of the second
54	4-374-839-11	BUTTON (A)		7	4-391-833-01	CLOTH, PROTECTION	
55	4-391-824-01			72	4-391-839-01	COVER. REAR	
56 ₫	.1-554-967-12	SWITCH, PUSH (AC POWER)(1 KEY)		7.3	X-4391-810-1	COVER ASSY, TOP (PVM-	·1341/1342Q ONLY)
57	*4-391-820-01	COVER, AC SWITCH		1	X-4391-810-2	COVER ASSY, TOP (PVM-	·1343MD ONLY)
58	x-4391-804-1	BEZEL ASSY (PVM-1342Q ONLY)		74	4-391-825-01	RIVET, NYLON	
		BEZEL ASSY (PVM-1341 ONLY)		75 ₫	1.*4-364-726-01	BUSHING, AC CORD (PVM	1-1343MD ONLY)
	X-4391-804-3	BEZEL ASSY (PVM-1343MD ONLY)		l A	1.*4-371-185-02	BUSHING, AC CORD (PVN	I-1341/13420 ONLY)
59 <u>A</u>	. 8-734-821-05	PICTURE TUBE (M34KBE20X)	Containing the	76 ₫	.1-574-421-11	CORD, POWER (PVM-134)	L/13420 ONLY)
		(PVM-1342Q/1343	MD ONLY)	1 /	1-574-445-11		
2	.8-736-254-05	PICTURE TUBE (A34JHS10X) (PVM-13	(41 ONLY)				(PVM-1343MD DNLY)
60	3-703-961-01	SPACER, DY		77	4-308-870-00	CLIP, LEAD WIRE	-connectional resident after a colorest participate file. A A SECTION AND A SECTION OF CONTRACT CO.
61 💆	. 1-451-329-11	DEFLECTION YOKE (SY-222)		78	1-452-032-00	MAGNÉT, DISK: 10MM &	
62	*4-382-050-01	BAND, C PC BOARD		79	1-452-094-00	MAGNET, ROTATABLE DIS	SK: 15MM Ø
64	*A-1330-913-A	C BOARD, COMPLETE		80	X-4309-608-0	PERMALLOY ASSY, CONVE	ERGENCE
				82	*1-629-153-11	J BOARD .	
				83	1-543-604-11	CORE, RING	
				84	4-847-802-11	SCREW (OS) CASE CLA	\W



SECTION 8 ELECTRICAL PARTS LIST

Page 72



*4-341-751-01 EYELET *4-341-752-01 EYELET 4-363-414-00 SPACER, MICA

Page 74

THERMISTOR

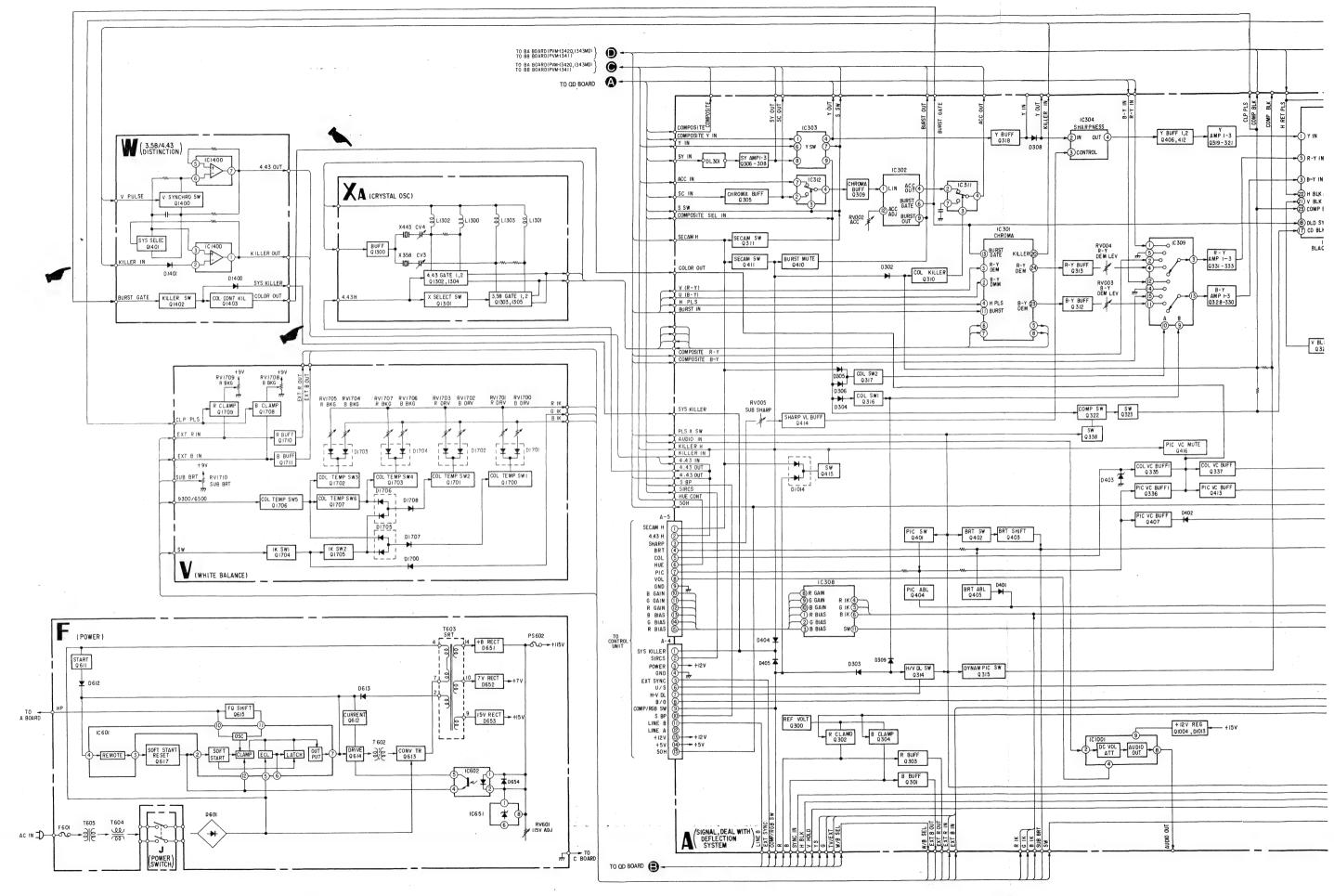
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TH611 1-800-954-11 THERMISTOR S-3K
THP6011 1-808-059-21 THERMISTOR, POSITIVE
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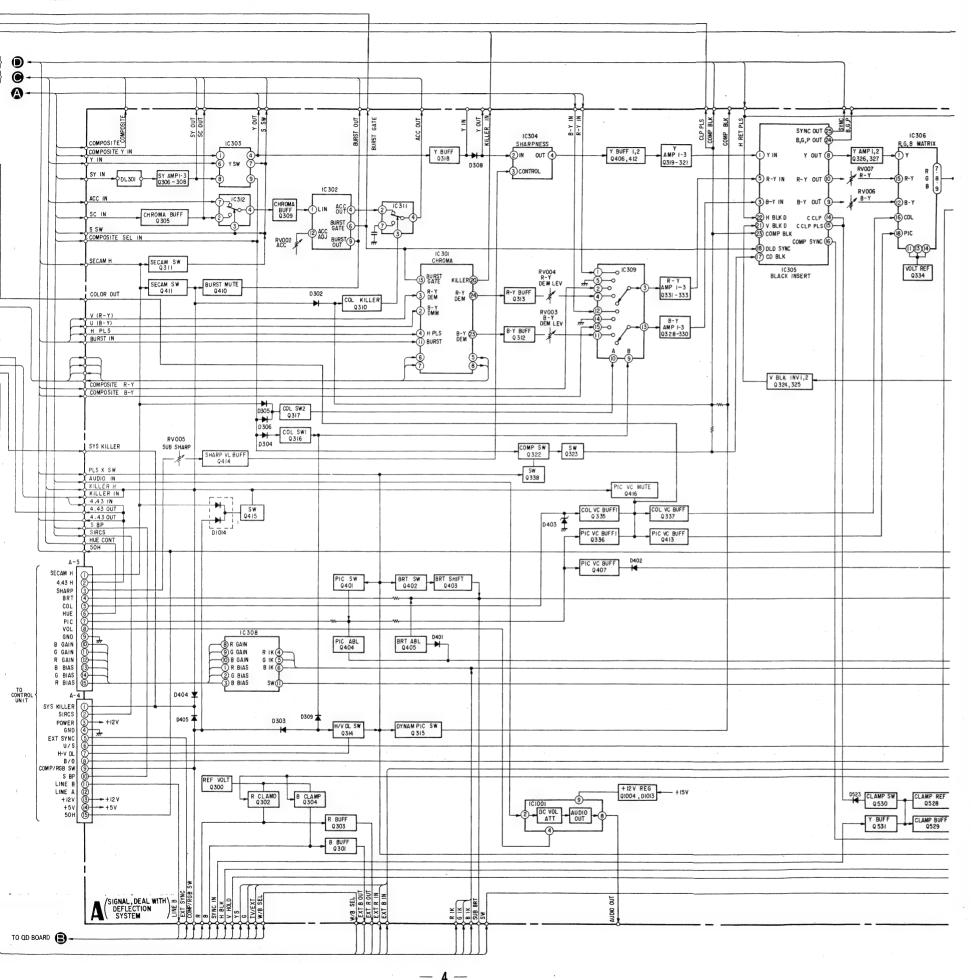
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MISCELLANEOUS

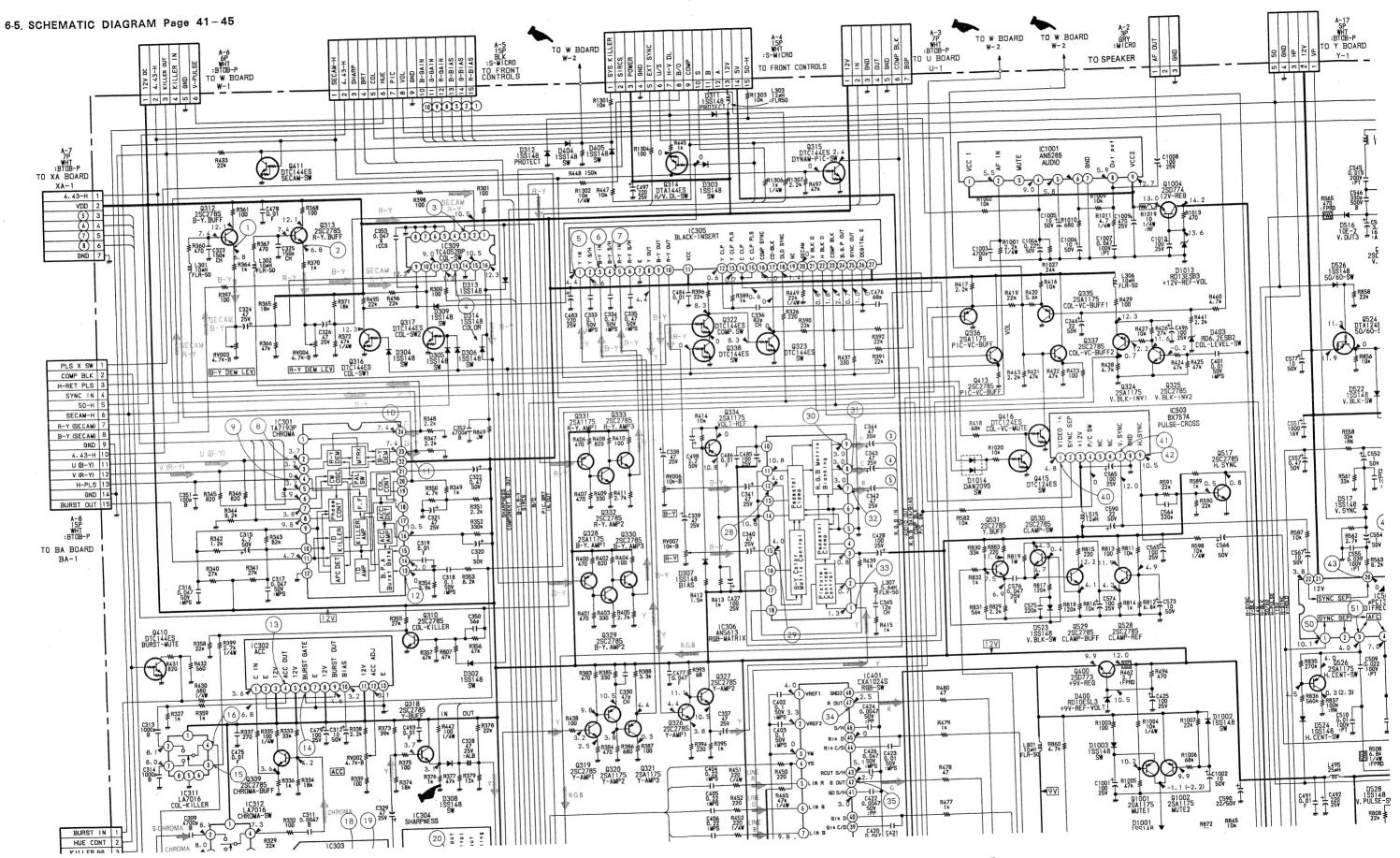
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A 1-237-614-12 RESISTOR ASSY, HIGH-VOLTAGE
A.1-426-375-11 COIL, DEMAGNETIZATION
A.1-451-329-11 DEFLECTION YOKE (SY-222)
1-452-032-00 MAGNET, DISK; 10MM &
1-452-094-00 MAGNET, ROTATABLE DISK; 15MM &

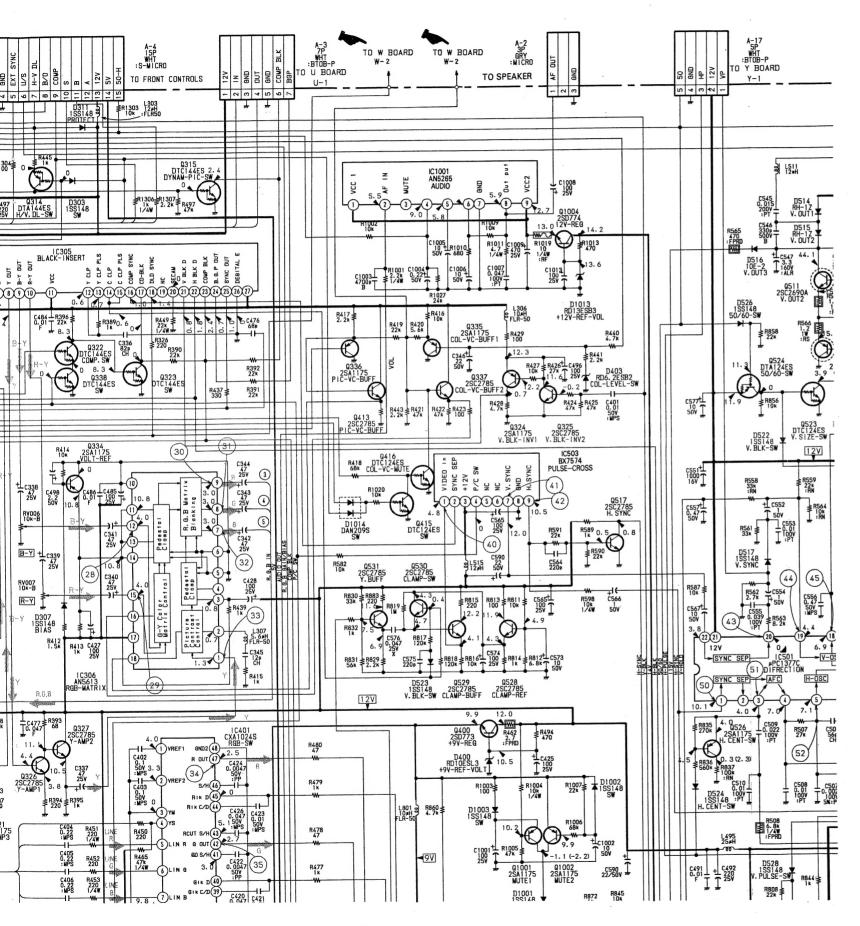
1-466-076-11 CONTROL UNIT (PVM-1342Q ONLY)
1-466-076-21 CONTROL UNIT (PVM-1343MD ONLY)
1-466-077-11 CONTROL UNIT (PVM-1341 ONLY)
1-543-604-11 CORE, RING
1-544-063-11 SPEAKER
S901 A.1-554-967-12 SWITCH, PUSH (AC POWER)(1 KEY)
A.1-574-443-11 CORD, POWER (WITH NOISE FILTER)
(PVM-1341/1342Q ONLY)
A.1-574-445-11 CORD, POWER (MEDICAL INSTRUMENT)
(PVM-1343MD ONLY)
V901 A.8-736-254-05 PICTURE TUBE (M34KBEZOX)
(PVM-1342Q/1343MD ONLY)
V901 A.8-736-254-05 PICTURE TUBE (M34KBEZOX)
(PVM-1341ONLY)
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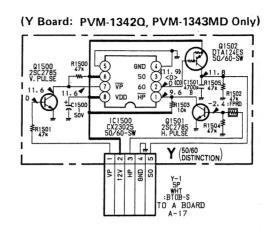


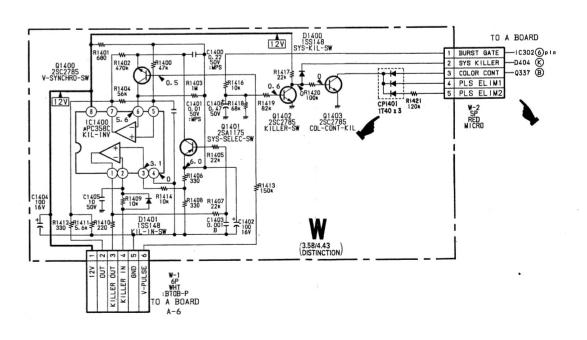


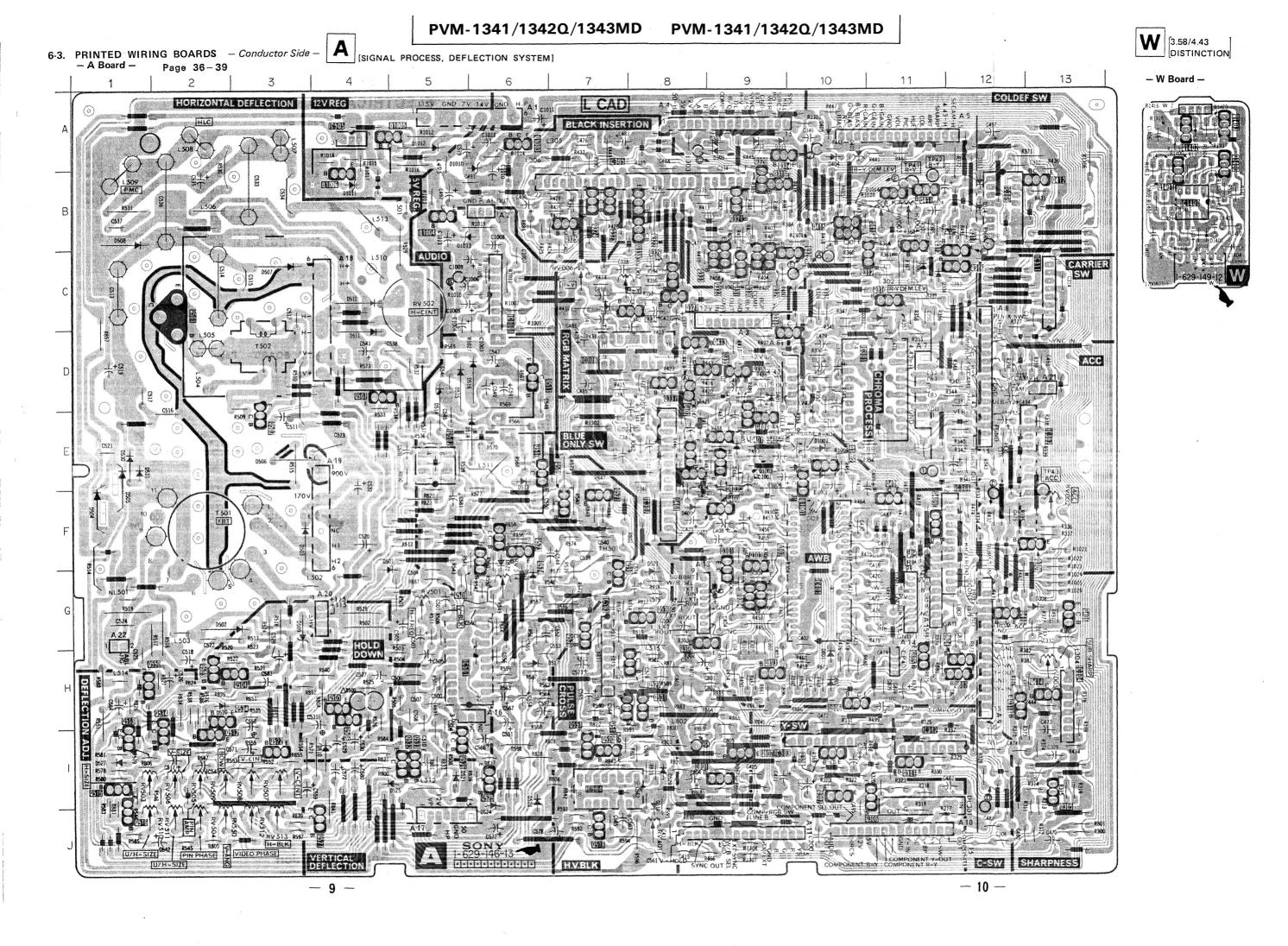
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SECTION 7 **EXPLODED VIEWS**

7-1. CHASSIS

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No.	Part No.	<u>Description</u> <u>Remark</u>	No.	Part No.	Description	Remark
1 2 3	*3-704-372-01 .1-237-614-12 *4-391-842-01	HOLDER, HV CABLE RESISTOR ASSY, HIGH-VOLTAGE BRACKET, HVR	11 13 14	*A-1130-734-A	V BOARD BB BOARD, COMPLETE (PVM-1341 BA BOARD, COMPLETE	
4 5	X-4391-805-1 *A-1245-446-A	CABINET ASSY, BOTTOM F BOARD, COMPLETE (PVM-1341/1342Q ONLY)			QE BOARD, COMPLETE	343MD ONLY)
6	*A-1291-616-A	F BOARD, COMPLETE (PVM-1343MD ONLY) A BOARD, COMPLETE 8,9 TRANSFORMER ASSY, FLYBACK	16 17 18	*A-1270-247-A	QD BOARD, COMPLETE QC BOARD, COMPLETE PLATE, TERMINAL	
8 9	*1-629-149-12 *1-629-151-11	W BOARD	19		HOLDER, P.C.B C BOARD, COMPLETE PLATE (C) SHIELD	

7-2, PICTURE TUBE

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-							
No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
52 53 54 55 56 57 58 59 <u>A</u> 60 61 <u>A</u>	1-466-076-11 1-466-076-21 1-466-077-11 1-544-063-11 4-374-839-11 4-391-824-01 1-554-967-12 *4-391-804-1	CONTROL UNIT (PVM-1342Q ONLY) CONTROL UNIT (PVM-1343MD ONLY) CONTROL UNIT (PVM-1341 ONLY) SPEAKER BUTTON (A) JOINT SWITCH, PUSH (AC POWER)(1 KEY) COVER, AC SWITCH BEZEL ASSY (PVM-1342Q ONLY) BEZEL ASSY (PVM-1341 ONLY) BEZEL ASSY (PVM-1343MD ONLY) PICTURE TUBE (M34KBE20X) (PVM-1342Q/1343) PICTURE TUBE (A34JHS12X) (PVM-134 SPACER, DY DEFLECTION YOKE (SY-222) BAND, C PC BOARD	1D ON	67 68 69 A 70 71 72 73 74 75 A	*4-374-912-01 *4-374-913-01 -1-426-375-11 4-365-808-01 4-391-833-01 4-391-839-01 X-4391-810-1 X-4391-810-1 X-4391-825-01 *4-364-726-01 *4-371-185-02 .1-574-421-11 .1-574-445-11	COVER (MAIN), CV VOL COVER (REAR LID), CV VOL COUL, DEMAGNETIZATION SCREW (5), TAPPING CLOTH, PROTECTION COVER, REAR COVER ASSY, TOP (PVM-134) COVER ASSY, TOP (PVM-134) RIVET, NYLON BUSHING, AC CORD (PVM-134 CORD, POWER (PVM-134) CORD, POWER (PVM-134) CORD, POWER (MEDICAL INST (FCLIP, LEAD WIRE MAGNET, DISK; 10MM \$ MAGNET, ROTATABLE DISK; 1	1/1342Q ONLY) 3MD ONLY) 43MD ONLY) 41/1342Q ONLY) 42Q ONLY) TRUMENT) PVM-1343MD ONLY)
				84	4-847-802-11	SCREW (OS), CASE, CLAW	

SECTION 8 **ELECTRICAL PARTS LIST**

Ref.No. Part No. Description R1416 1-249-429-11 CARBON 10K 5% 1/4W	Remark
R1417 1-249-433-11 CARBON 22K 5% 1/4W R1418 1-249-439-11 CARBON 68K 5% 1/4W	
R1419 1-249-440-11 CARBON 82K 5% 1/4W R1420 1-249-441-11 CARBON 100K 5% 1/4W R1421 1-247-881-00 CARBON 120K 5% 1/4W	
CONNECTOR	
W1 *1-565-482-11 CONNECTOR, BOARD TO BOARD 6P W2 *1-564-508-31 PLUG, CONNECTOR 5P	
	R1419 1-249-440-11 CARBON 82K 5% 1/4W R1420 1-249-441-11 CARBON 100K 5% 1/4W R1421 1-247-881-00 CARBON 120K 5% 1/4W CONNECTOR W1 *1-565-482-11 CONNECTOR, BOARD TO BOARD 6P

Р	age	81

								* D				
	Ref.No.	Part No.	Description				Remark					
	R361 R362	1-249-405-11 1-249-410-11	CARBON CARBON	100 270	5% 5%	1/4W 1/4W						
	R363	1-249-432-11	CARBON	18K	5%	1/4W						
	11303	1-243-432-11	CARDON	TOK	3/6	1/4W	V A	BOARD- Pa	000 01			
	R364	1-249-417-11	CARBON	1K	5%	1/4W	- AA	DUANU- F	age o4			
	R365	1-249-432-11	CARBON	18K	5%	1/4W						
	R366	1-249-437-11	CARBON	47K	5%	1/4W		*1-629-151-11	XA BOARD			
	R367	1-249-413-11	CARBON	470	5%	1/4W			*****			
	R368	1-249-405-11	CARBON	100	5%	1/4W						
	11300	1-243-403-11	CHINDON	100	376	1/ 48						
	R369	1-249-405-11	CARBON	100	5%	1/4W		CAP	ACITOR			
	R370	1-249-417-11	CARBON	1K	5%	1/4W						
	R371	1-249-432-11	CARBON	18K	5%	1/4W	C1300		CERAMIC	0.022MF		50 V
	R372	1-249-465-11	CARBON	47K	5%	1/4W	C 1301		CERAMIC	68PF	5%	50 V
	R373	1-249-436-11	CARBON	39K	5%	1/4W	C 1302		CERAMIC	56 PF	5%	50 v
				00.1	0,0	2,	C 1303		CERAMIC	5PF	1 PF	507
	R374	1-249-432-11	CARBON	18K	5%	1/4W	C1304	1-102-947-00	CERAMIC	10PF	0.5PF	50 V
	R375	1-249-405-11	CARBON	100	5%	1/4W	0.0					
	R376	1-249-417-11	CARBON	1K	5%	1/4W	C1305		CERAMIC	10PF	0.5PF	50 V
_	R377	1-249-437-11	CARBON	47K	5%	1/4W	C 1306		CERAMIC	15PF	5%	50 V
h	R378	1-249-433-11	CARBON	22K	5%	1/4W	C1307		CERAMIC	15PF	5%	50 V
							C1308		ELECT	100MF	20%	16V
	R379	1-249-430-11	CARBON	12K	5%	1/4W	C 1309	1-102-125-00	CERAMIC	0.0047MF	10%	50 V
	R380	1-249-405-11	CARBON	100	5%	1/4W						

-W BOARD- Page 84

*1-629-149-12 W BOARD

CAPACITOR

C14 C14 C14 C14 C14	01 1-136 02 1-126 03 1-102	-169-00 FIU -153-00 FIU -101-11 ELE -074-00 CEF -101-11 ELE	M C ECT I RAMIC (0.01MF 5 100MF 2 0.001MF 1	5% 5 20% 1 .0% 5	0V 6V 6V 6V
C14 C14		-875-11 ELE -902-00 ELE	-			0V

-12 -